CFD-755L/765L

SERVICE MANUAL

AEP Model
UK Model

Photo: CFD-755L

MEGA BASS

SPECIFICATIONS

CD player section

System	Compact disc digital audio system
Laser diode properties	Material: GaAlAs Wavelength 780nm Emission duration: Continuous Laser output: Less than 44.6μW* * This output is the value measured at a distance of about 200mm from the objective lens surface on the optical pick-up block.
Spindle speed	200 r.p.m. to 500 r.p.m. (CLV)
Error correction	Sony Super Strategy Cross Interleave Read Solomon Code
Number of channels	2
Frequency response	20—20,000Hz $^{+0}_{-2}$ dB
Wow and flutter	Below measurable limit

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

This Compact Disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the rear exterior.

Radio section

Frequency range

	FM	MW	LW
AEP, UK Germany	87.6-107 MHz	531-1602 kHz	153-279 kHz
Italian	87.5-108 MHz		

IF	FM	MW/LW
	10.7 MHz	450 kHz

Antennas — FM : Telescopic antenna
MW/LW: Built-in ferrite bar antenna

Model Name Using Similar Mechanism		CD Section	CFD-775L
		Tape Section	CFD-750L / L
Optical Device Name		KSM-2101BAN	
Tape Transport Mechanism Type	CFD-755L	DECK A: MF-D750PB-64 DECK B: MF-D750RP-64	
	CFD-765L	DECK A: MF-D750PB-64 DECK B: MF-D760RP-63	

Tape recorder section and general

Recording system	4-track 2-channel stereo
Frequency response	80 – 10,000 Hz
Speakers	Two-way speakers: Full-range: 10 cm dia., cone type Woofer: 8 cm dia.
Inputs	MIX MIC jack (monaural minijack): Sensitivity 2.5 mV. for low impedance microphone
Outputs	Headphones jack (stereo minijack) for 16 – 68 ohm impedance headphones
Maximum power output	5.5W + 5.5W (at 3.2 ohms, 10% harmonic distortion)
Power requirements	15 V DC, ten R20 (size D) batteries Clock/timer/memory: 4,5 V DC three R6 (size AA) batteries

AEP, Germany, Italian models	220-230 V AC, 50 Hz
UK model	240 V AC, 50 Hz

Power consumption 35W

— Continued on next page —

MICROFILM

CD RADIO CASSETTE-CORDER

SONY®

Battery life

Batteries	FM continuous recording	Playback
Sony SUM-1 (NS)	Approx. 9 hours	Approx. 4 hours
Sony AM-1 (N) alkaline	Approx. 16 hours	Approx. 8 hours

For clock/timer/memory: Approx. 1 year

Dimensions	696 x 255 x 236 mm (w/h/d) ($27^1/_2 \times 10^1/_8 \times 9^3/_8$ inches) not incl. projecting parts and controls
Weight	Approx. 9.4kg, incl. batteries (Approx. 20 lb 12 oz)
Supplied accessory	AC power cord (1) Remote commander RMT-C760 (1) (for CFD-765L only)

Design and specifications subject to change without notice.

Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

G : Germany model
IT : Italian model

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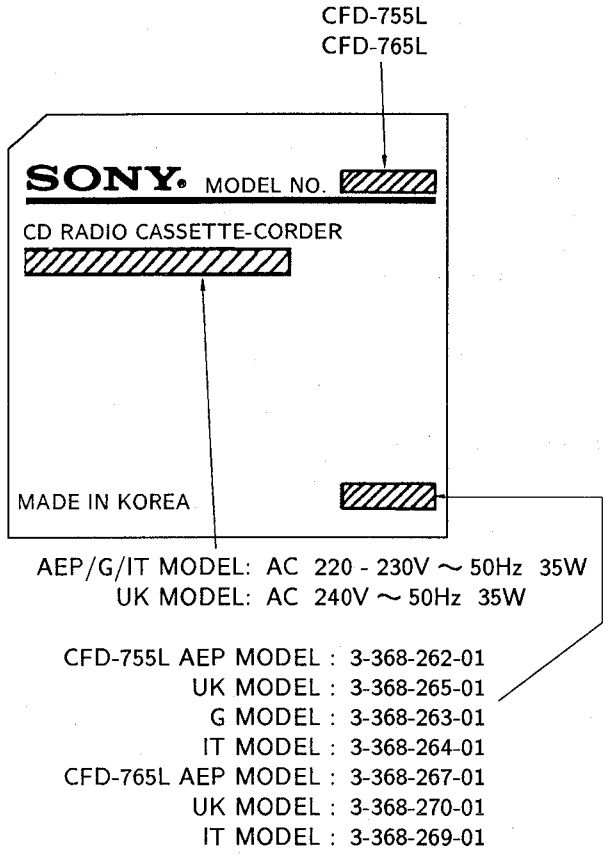
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
SERVICING NOTE

MODEL IDENTIFICATION

— Specification Labels —


CFD-755L
CFD-765L
SONY MODEL NO.
CD RADIO CASSETTE-CORDER
MADE IN KOREA
AEP/G/IT MODEL: AC 220 - 230V ~ 50Hz 35W
UK MODEL: AC 240V ~ 50Hz 35W
CFD-755L AEP MODEL : 3-368-262-01
UK MODEL : 3-368-265-01
G MODEL : 3-368-263-01
IT MODEL : 3-368-264-01
CFD-765L AEP MODEL : 3-368-267-01
UK MODEL : 3-368-270-01
IT MODEL : 3-368-269-01

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also, use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

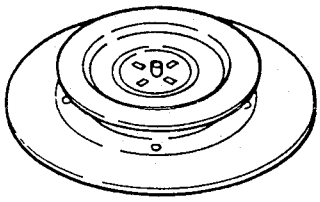
NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 25cm away from the objective lens.

CHUCK PLATE JIG ON REPAIRING

On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

- Code number of Chuck Plate Jig : X-4918-255-1

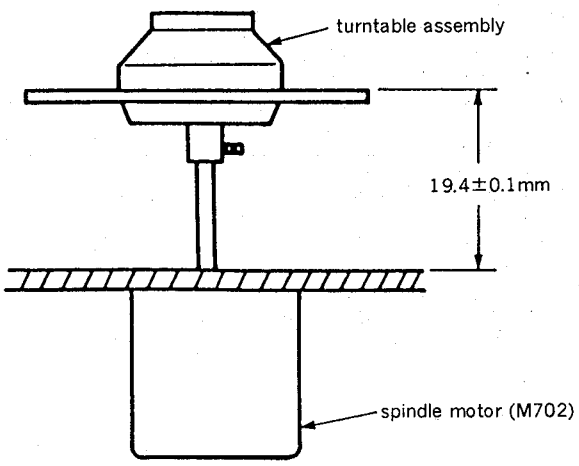


NOTE ON REPAIRING

The spindle motor (M702) and the turntable assembly are individually supplied as repair parts.

When repairing M702, please order the turntable assembly together.

Dimension is as follows.



SECTION 2
GENERAL

This section is extracted from instruction manual.

2-1. FEATURES

8-times over-sampling and digital filter
Signal process frequency of 8 times the reference frequency means playback with less distortion.

Dual D/A conversion system
High-fidelity playback with less phase shift is accomplished by the dual converter which works for the left and right channels independently.

Back-lighted display
Clear display makes it easy to distinguish the displayed indications at a glance in a dark place or at night.

Memory preset tuning
A total of 20 stations can be stored in any order.

High quality sound
- The Sony MEGA BASS system produces a powerful bass.
- By pressing the SPACE SOUND button, depth and spaciousness can be added to the original sound.

A high performance, high fidelity CD player with many functions
- An 8 cm (3-inch) CD can be played without using an adaptor.
- Repeat function allows playing either the entire disc or a single selection.
- Program play for playing selections in the order desired.
- Shuffle play for playing selections repeatedly in random order.
- A synchronized CD starting system for recording.
- An automatic editing function—The CD player automatically edits the selections on a CD depending on the tape length.

Digital clock timer
- You can listen to CD, radio or a taped program (for CFD-765S/765L only) at a preset time.
- You can record CD or radio programs at a preset time. (for CFD-765S/765L only)

Others
- High or normal speed tape dubbing
- CFD-765S/765L are supplied with a remote commander.

2-2. PRECAUTIONS

Notes on power sources
- For AC operation, check that the unit's operating voltage is identical with your local power supply (see "Specifications") and use the AC power cord supplied; do not use any other type. The voltage selector is located at the bottom of the unit (CFD-755S/765S only). For battery operation, operate the unit only on 15V DC using ten R20 (size D) batteries.
- The nameplate indicating voltage, power consumption, etc. is located at the bottom.
- For UK model, the caution label is located at the bottom.
- When the internal batteries will not be used, remove them to avoid damage caused by battery leakage and corrosion.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off. Unplug it when it will not be used for a long time.

Notes on handling the unit
- As the laser beam used in the CD player section is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- If moisture condenses on the lenses inside the CD player section, the player will not operate properly. In this case, remove the disc and leave the unit turned on for about an hour.
- Avoid exposure to temperature extremes, direct sunlight, dust, or mechanical shock.
- Should any solid object or liquid fall into the unit, unplug the unit, remove the batteries, and have the unit checked by qualified personnel before operating it any further.
- Be careful not to lift the handle while the telescopic antenna is in a raised position.
- After long storage, set the unit in playback mode and warm it up for a few minutes before inserting a cassette.

Note on cassette longer than 90 minutes
The use of those cassettes is not recommended except for long continuous recording or playback.

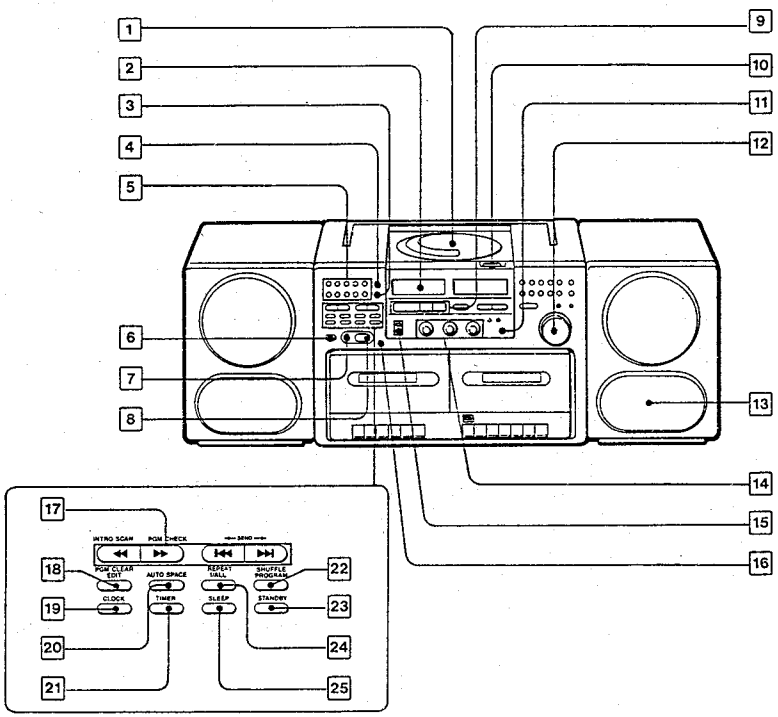
- **If a cassette cannot be removed**
  If the power was accidentally cut off (for example, the AC power cord was disconnected, the batteries fell out or an interruption of the main power source occurred) after ▶, REC or HI-SPEED DUB was pressed, it may not be possible to eject the cassette. In this case, supply power to the unit again and then press ■ ⏏ to remove the cassette.
- **If the cassette holder cannot be closed firmly**
  Press ■ ⏏ to remove the cassette and reinsert it into the holder. Do not attempt to play back or record when the cassette holder is not firmly closed. Otherwise, the cassette may be damaged.

Whether you are going to operate the unit on AC power or on batteries, make sure to insert three R6 (size AA) batteries for the clock/timer/memory functions.

If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

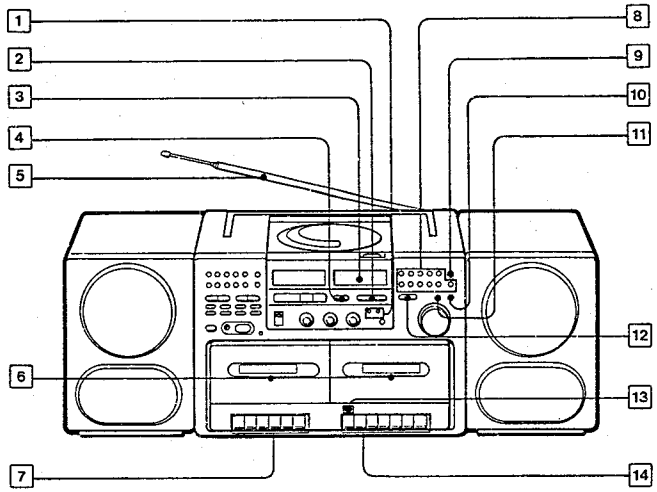
2-3. PARTS IDENTIFICATION

CD Player Section•Clock/Timer Section



1 Disc holder
2 CD/TIMER/CLOCK MULTI OPERATION DISPLAY window ⑯ ⑰ ㉞
3 +10 (second digit)/AM/PM* button ⑪ ⑫
*AM/PM for CFD-755S/765S only
4 DISPLAY button ⑰
5 Number buttons for direct selection/clock/timer ⑪ ⑫ ㉝
6 POWER switch
CFD-755S/765S:
ON/OFF (TIMER/SLEEP)
CFD-755L/765L:
ON/STANDBY (TIMER/SLEEP)
7 PHONES (headphones) jack (stereo minijack)
When the headphones are connected to the jack, the sound from the speakers does not come out.
8 Remote sensor (for CFD-765S/765L only)
9 CD operation buttons ⑰
▷(play)
▯▯(pause)
□(stop)
10 OPEN button ⑮
11 SPACE SOUND button (ON/OFF) ㉘
12 VOLUME control
13 Speaker (full-range)
14 ROTARY EQUALIZER controls ㉙
15 FUNCTION selector
CD: For listening to or recording the CD sound
TUNER: For listening to or recording radio programs.
DUBBING: For dubbing
TAPE: For playing back the tape
16 TIMER STANDBY indicator (for CFD-755L/765L only) ㉝
17 ◄◄ (manual search)/INTRO SCAN button ⑪ ⑰
►► (manual search)/PGM (program) CHECK button ⑫ ⑯
|◄◄/►►| (selection search)/SEND buttons ⑪
18 PGM (program) CLEAR/EDIT button ⑯ ㉖
19 CLOCK button ㉜
20 AUTO SPACE button ㉘
21 TIMER button ㉗
22 SHUFFLE/PROGRAM button ⑯ ㉖
23 STANDBY button ㉝
24 REPEAT 1/ALL button ⑰
25 SLEEP button ㉗

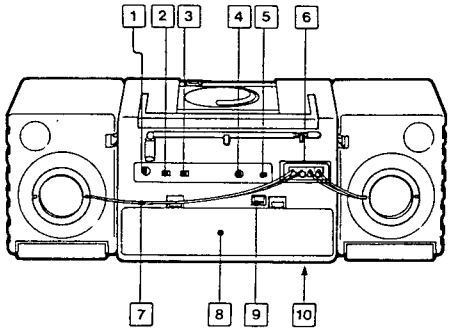
Radio Cassette-Corder Section



1 OPR/BATT (operation/battery) indicator ⑨
REV/FWD (reverse/forward tape transport direction) indicators (for CFD-765S/765L only)
2 TUNING +/– buttons ⑫
3 TUNER OPERATION DISPLAY window ⑫
4 BAND selecting button ⑮
5 Telescopic antenna ⑮
6 Cassette holder
7 Tape operation buttons (Deck A)
■≜ STOP/EJECT
HI-SPEED DUB (dubbing)
► PLAY
◄◄ REW (rewind)
►► FF (fast forward)
▮▮ PAUSE
8 Preset tuning buttons ⑮ ㉑
9 MEMORY button ⑮ ㉑
10 TUNING indicator ⑮
11 FM ST (stereo) indicator ⑮
12 SW-BAND button (for CFD-755S/765S only) ⑮
13 DIR (direction) MODE selector (for CFD-765S/765L only) ㉙
14 Tape operation buttons (Deck B)
For CFD-755S/755L
■≜ STOP/EJECT
● REC
► PLAY
◄◄ REW (rewind)
►► FF (fast forward)
▮▮ PAUSE

For CFD-765S/765L
◄|► DIR (tape transport direction)
● REC
► PLAY
◄◄ (leftward fast winding) } CUE/REVIEW function
►► (rightward fast winding) }
▮▮ PAUSE
■≜ STOP/EJECT

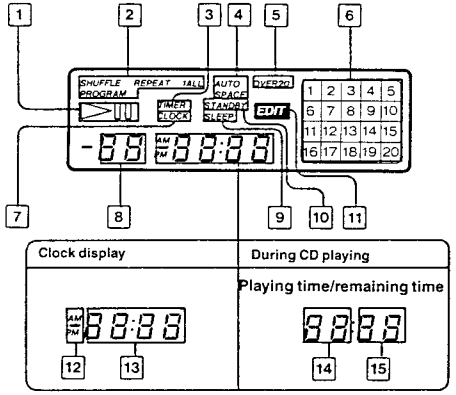
Rear Panel



1. EXT ANT (external antenna) (PAL) terminal (for the CFD-755L/765L available in European countries except for W. Germany, Italy and the United Kingdom) ⑯
2. FM/SW SENS selector ⑱
3. MW TUNING INTERVAL selector (for CFD-755S/765S only)
4. MIX MIC (mixing microphone) jack (minijack) ⑱
5. CFD-755S/765S: ISS (interference suppress switch)
   CFD-755L/765L: ISS/FM MODE (interference suppress switch/FM stereo-mono)
6. SPEAKER OUTPUT terminals (R/L) ⑧
7. Speaker cord
8. Battery compartment
9. AC IN (AC power input) socket ⑧
10. VOLTAGE SELECTOR (for CFD-755S/765S only) (bottom)

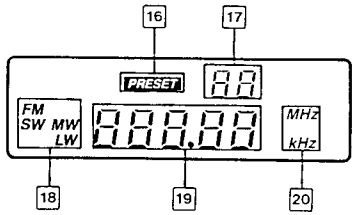
Display Section

CD/TIMER/CLOCK MULTI OPERATION DISPLAY window



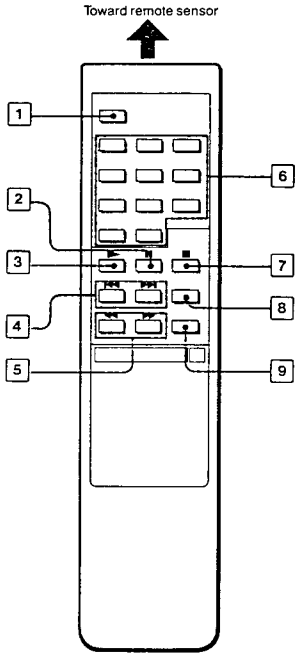
1. Play/pause indication ⑬
2. Playing mode indication ⑮ ⑯ ⑰
3. TIMER indication ㉝
4. AUTO SPACE indication ㉕
5. OVER 20 indication ⑬
6. Music calendar ⑬
7. CLOCK indication ⑩
8. Selection number/number of selections ⑬
9. SLEEP indication ㊲
10. STANDBY indication ㉝ ㊲
11. EDIT indication ⑯ ㉖
12. AM,PM indication* ⑪
    *for CFD-755S/765S only
13. Current time (hour, minute)
14. STEP/MIN (playing order/minute)
15. SEC (second)

TUNER OPERATION DISPLAY window



16. PRESET indication ㉑
17. Preset number indication ㉑
18. FM, SW, MW, LW indication ⑲
19. Frequency indication ⑲
20. MHz, kHz indication ⑲

Remote commander RMT-C760 (for CFD-765S/765L only)

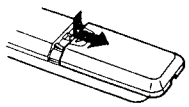


This remote commander works for the CD and TUNER sections.

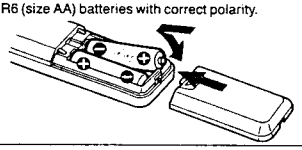
1. BAND selecting button
2. ❚❚ (pause) button
3. ▶ (play) button
4. |◀◀/▶▶| (selection search) buttons
5. ◀◀/▶▶ (manual search) buttons
6. Number buttons for direct selection (CD)/preset station
7. ■ (stop) button
8. SHUFFLE button
9. REPEAT (repeat 1/all) button

Battery installation

1



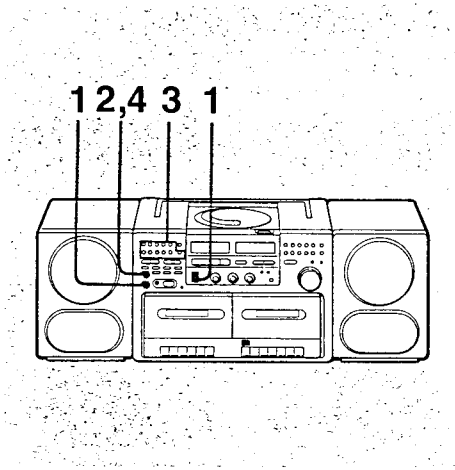
2 Two R6 (size AA) batteries with correct polarity.



Notes on the remote commander

- Keep the commander away from extremely hot or humid places.
- To avoid malfunction, do not simultaneously depress two or more buttons.
- When the battery is exhausted, the commander will not operate the CFD-765S/765L. In this case, replace the batteries with new ones. In normal operation, battery life is up to half a year.

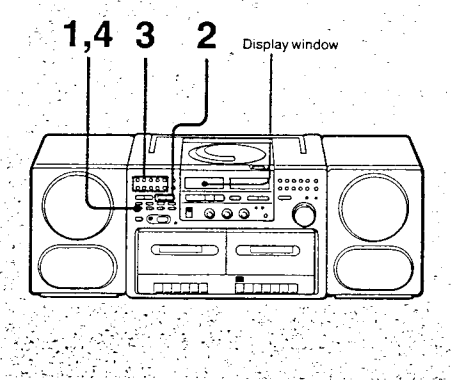
2-4. SETTING THE CLOCK



1 Turn the power off.	2 Press CLOCK for about 4 seconds until the CLOCK indication appears in the display window.	3 Press the number buttons to enter the hour and then the minute. If the hour and/or minute has one digit, be sure to press 0 before the number. **Select AM or PM by +10/AM/PM.** (for CFD-755S/765S only)	4 Press CLOCK again. The moment you release the button, the clock starts.
POWER ▲ ON ⏏ OFF	CLOCK	Example: To set to PM 8:45. 0 → 8 → 4 → 5 → +10 (AM/PM)	CLOCK
AM 12:00	CLOCK AM 12:00	0:00 → 08:00 → 08:40 → 08:45 → 08:45 Blinking shows the position where the next number will be entered.	PM 8:45 All the digits stay lit.

To Change One Digit

Example: To change AM 1:01 to AM 1:00.



1 Press for about 4 seconds until the CLOCK indication appears in the display window.	2 Press ▶▶	three times until the last digit blinks.	3 Press the number button.	4 Press CLOCK again. The moment you release the button the clock starts.
CLOCK	← SEND → ⏮ ▶▶	 Blinking shows the position where the next number will be entered. Blinking moves to the left by pressing ⏮.	0	CLOCK All the digits stay lit.
CLOCK AM 0:01	0:01 → 0:01 → 0:00	CLOCK AM 0:00	AM 1:00

Clock system

24-hour system (CFD-755L/765L)	0:00=midnight 12:00=noon
12-hour system (CFD-755S/765S)	AM12:00=midnight PM12:00=noon

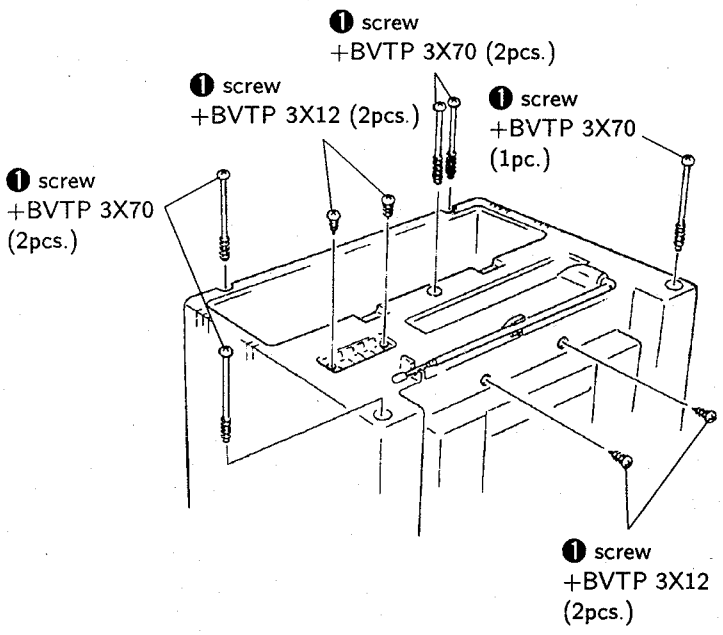
The sketches of the clock display show those of CFD-755S/765S.

To set seconds exactly
Ex.: To set the clock to PM7:00 (00 seconds)
Set the clock to PM6:59; then continue to keep CLOCK down. At a signal indicating the exact hour (ex. a radio broadcast or telephone "time" service), release the button.

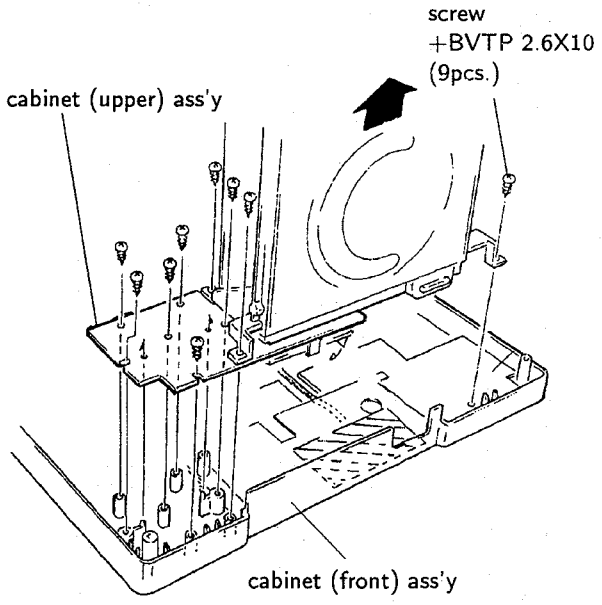
To check the current time
The display window shows the current time except when the CD playing. To check the time when the FUNCTION selector is set to "CD", press the CLOCK button.

SECTION 3
DISASSEMBLY

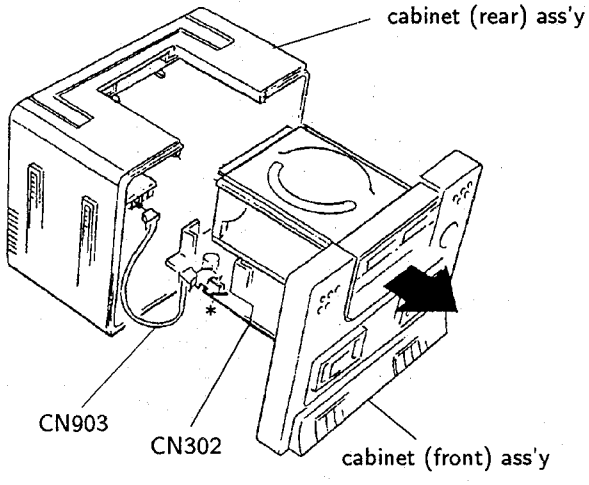
3-1. CABINET (FRONT) ASS'Y

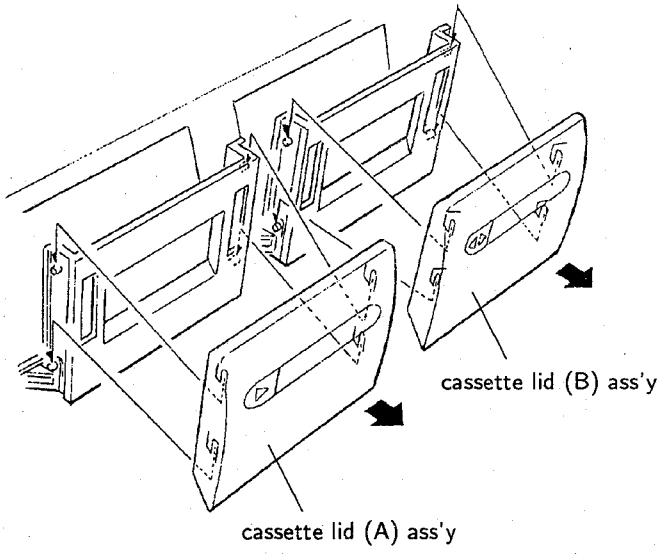


3-2. CABINET (UPPER) ASS'Y



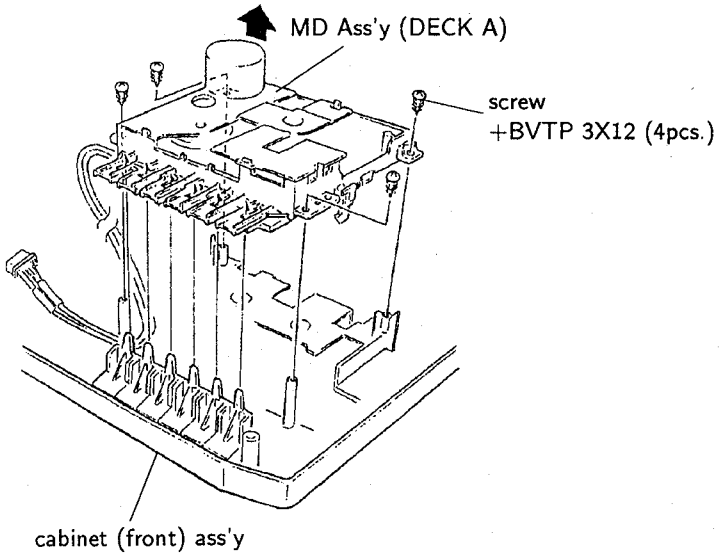
❶ Remove the cabinet (front) ass'y to arrow DIRECTION.
❷ Remove the 4P connector CN903 from both side.



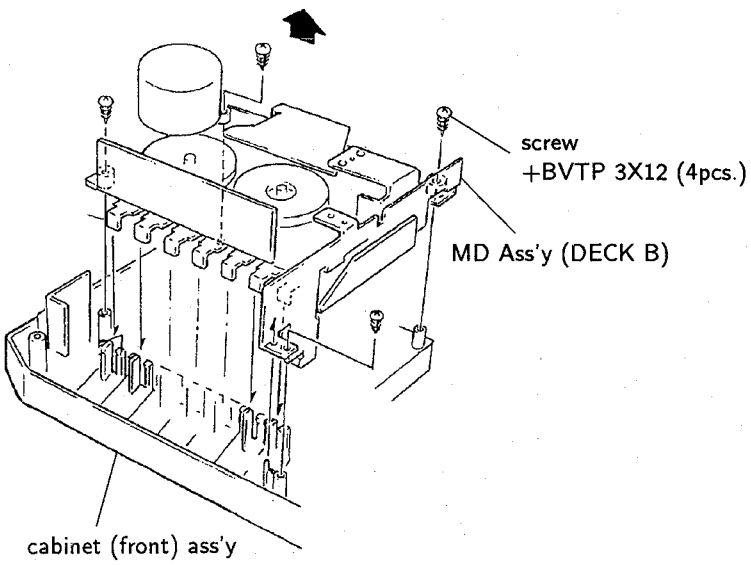


*Please note that when CN903 connecte to CN302.
CN903 lead wire should be put into a notch of printed circuit BOARD and bend the lead pin to hold the CN903 lead wire.

3-3. MD ASSY (DECK A)



3-4. MD ASSY (DECK B)



SECTION 4
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback head — pinch roller
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
6. Power supply voltage: 15V dc.

Torque Measurement

〔DECK A〕 CFD-765L, CFD-755L. 〔DECK B〕 CFD-755L

Torque	Torque meter	Meter reading
Forward	CQ-102C	22–55g•cm (0.31–0.76 oz•inch)
Forward back tension	CQ-102C	2–5g•cm (0.03–0.07 oz•inch)
Fast Forward and Rewind	CQ-201B	more than 45g•cm (more than 0.62 oz•inch)

〔DECK B〕 CFD-765L

Torque	Torque meter	Meter reading
Forward	CQ-102C	28–60g•cm (0.39–0.83 oz•inch)
Forward back tension	CQ-102C	2–5g•cm (0.03–0.07 oz•inch)
Reverse	CQ-102RC	28–60g•cm (0.39–0.83 oz•inch)
Reverse back tension	CQ-102RC	2–5g•cm (0.03–0.07 oz•inch)
Fast Forward and Rewind	CQ-201B	55–100g•cm (0.76–1.39 oz•inch)

Tape Tension Measurement

〔DECK A〕 CFD-765L, CFD-755L. 〔DECK B〕 CFD-755L

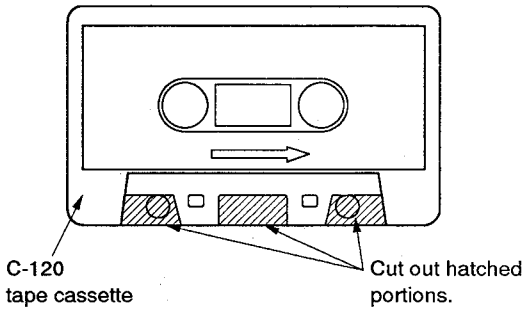
Meter	Meter Reading
CQ-403A	more than 100g (more than 3.53 oz)

〔DECK B〕 CFD-765L

Mode	Meter	Meter Reading
Forward	CQ-403A	more than 100g (more than 3.53 oz)
Reverse	CQ-403R	

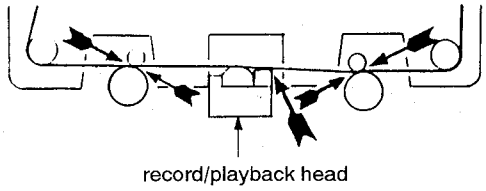
Head Height Adjustment

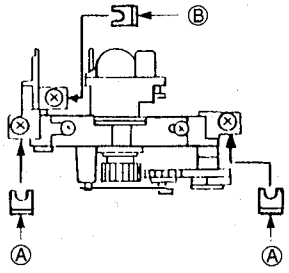
1. Use CQ-009C (Part No. 8-909-708-01) or prepare an adjustment cassette as shown below.



2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at portions shown by arrows.

- **DECK B CFD-765L**





head height adjustment shim

	Part No.	t		Part No.	t
Ⓐ	3-336-274-01	0.1	Ⓑ	4-392-603-01	0.1
	3-336-274-11	0.2		4-392-603-11	0.2
	3-336-274-21	0.3			

SECTION 5
ELECTRICAL ADJUSTMENTS

5-1. TAPE RECORDER SECTION

Standard Input Level

Input terminal	MIX MIC IN
source impedance	300Ω
input signal level	–50 dB

Standard Output Level

Output terminal	SP OUT	HP OUT
load impedance	3.2Ω	32Ω
output signal level	0.775V (0 dB)	0.25V (–10 dB)

Test Tape

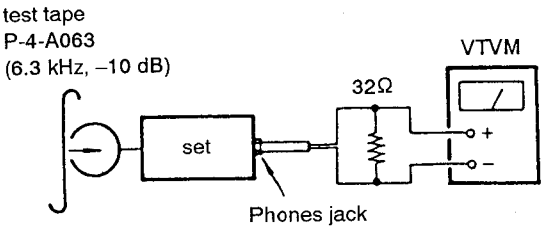
Type	Signal	Used for
WS-48A	3 kHz, 0 dB	tape speed adjustment
P-4-A063	6.3 kHz, –10 dB	head azimuth adjustment

Head Azimuth Adjustment DECK B CFD-765L

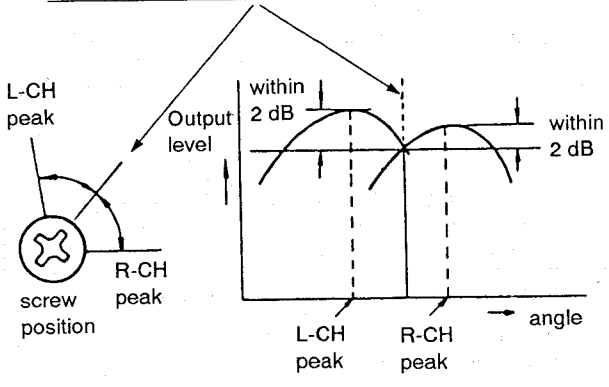
Perform adjustments in both forward and reverse playback modes for DECK B.
Output level of both forward and reverse playback modes should match together.

Procedure:

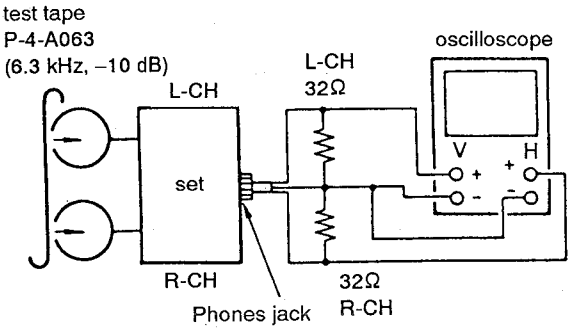
1. Mode: playback

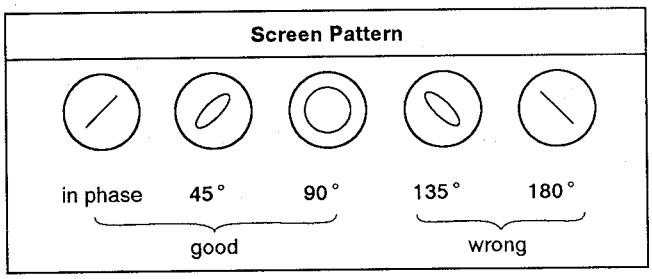


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 2 dB.



3. Phase Check
Mode: playback

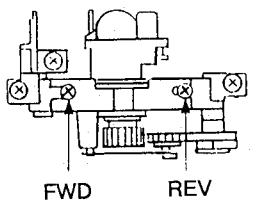




Note: Finish the screw adjustment with a turn in the clockwise direction.
After the adjustment, apply suitable locking compound to the adjustment screw.

Adjustment Location:

- **DECK B CFD-765L**

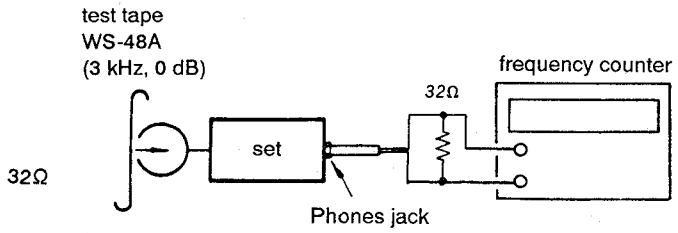


Tape Speed Adjustment DECK A DECK B

Procedure:

- Perform high speed adjustment before normal speed adjustment.

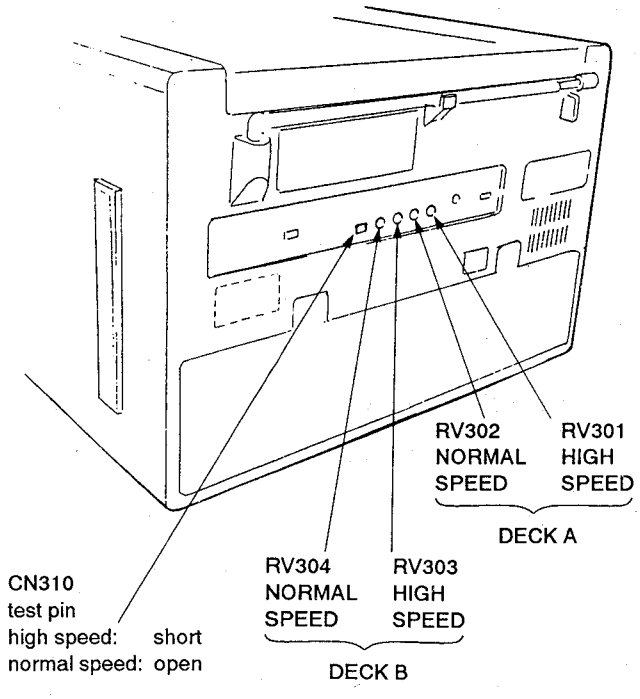
Mode: playback



Speed	Tape pin (CN310)	Deck	Adjustment point	Frequency counter
High	Short	A	RV301	5980–6020 Hz
		B	RV303	
Normal	open	A	RV302	2990–3010 Hz
		B	RV304	

Frequency difference between the begining and the end of the tape should be within ± 1.5%.

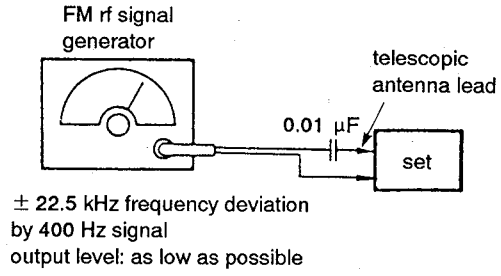
Adjustment Location:



5-2. RADIO SECTION

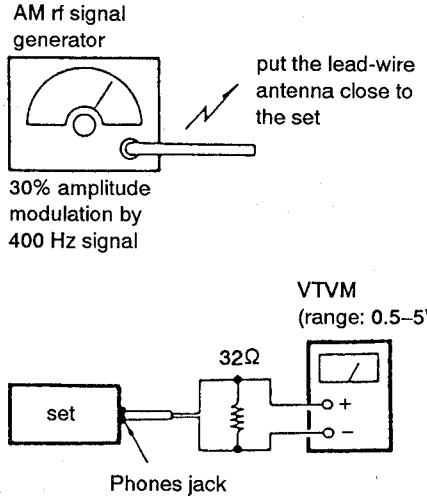
• FM Section

Setting:
FUNCTION switch: TUNER
BAND selection button: FM



• AM Section

Setting:
FUNCTION switch: TUNER
BAND selection button: MW or LW



- Repeat procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM FREQUENCY COVERAGE ADJUSTMENT		
Adjust for specifications on digital voltmeter at CN315 ⑤ pin (VT).		
L2	87.5 MHz	3.60 ± 0.05V
(confirmation)	108 MHz	10.0 ± 1.2V (check)

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L1	87.5 MHz
CT1	108 MHz

MW FREQUENCY COVERAGE ADJUSTMENT		
Adjust for specifications on digital voltmeter at CN315 ⑤ pin (VT).		
T4	531 kHz	0.8 ± 0.05V
(confirmation)	1,611 kHz	9.0 ± 1.2V (check)

MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L4	621 kHz
CT5	1,404 kHz

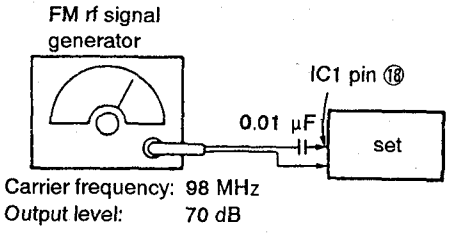
LW FREQUENCY COVERAGE ADJUSTMENT		
Adjust for specifications on digital voltmeter at CN315 ⑤ pin (VT).		
T5	153 kHz	1.8 ± 0.1V
(confirmation)	279 kHz	5.5 ± 0.5V (check)

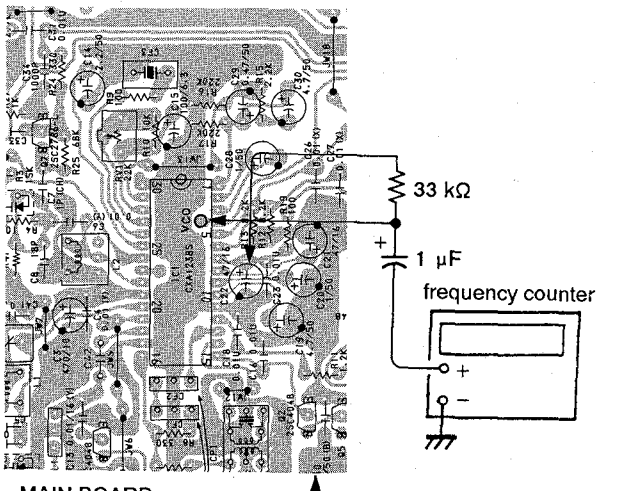
LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L5	162 kHz
CT6	261 kHz

- **FM STEREO VCO Adjustment**

Setting:
BAND selection button: FM

Procedure:

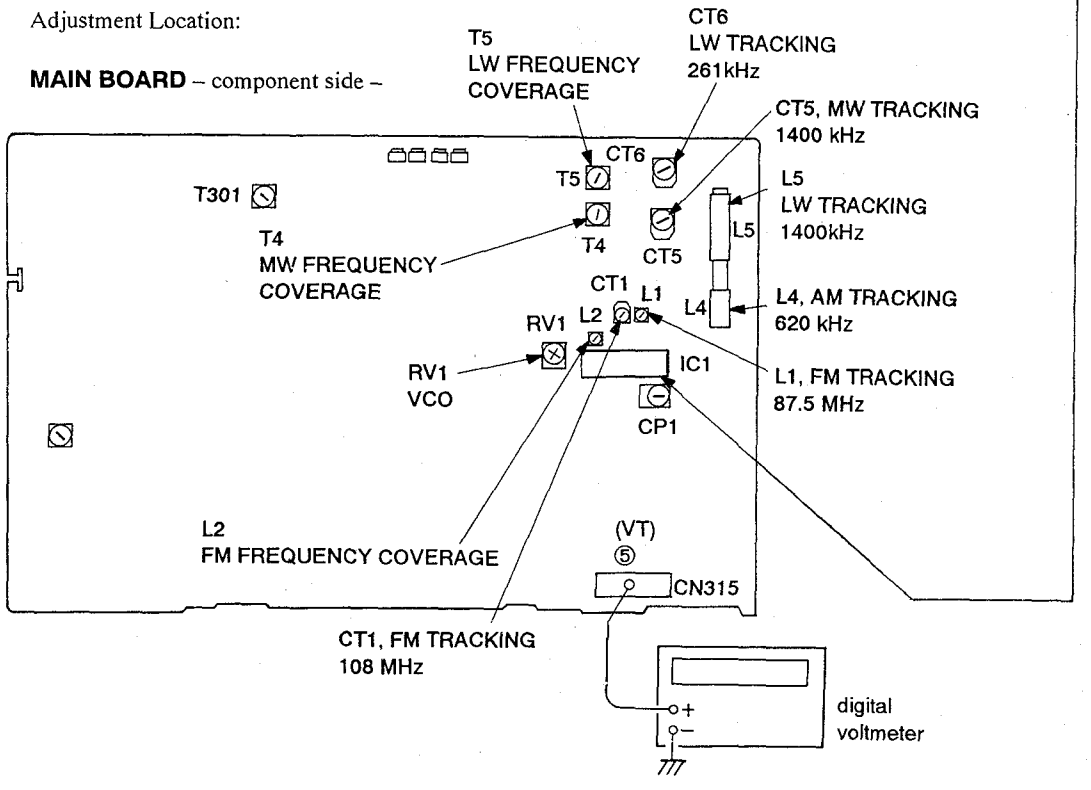




1. Tune the set to 98 MHz.
2. Adjust with RV1 so that the reading on the frequency counter becomes 76.0 ± 0.1 kHz.

Adjustment Location:

MAIN BOARD – component side –



5-3. CD SECTION

Notes on Adjustment

1. Perform adjustment in service mode.
   After adjustment, be sure to release service mode.
2. Perform adjustment in the order given.
3. Use the disc (YEDS-18, Part No. 3-702-101-01) only when so indicated.

Before Adjustment

Put the set into service mode and perform the following checks. Repair if there are any problems.

How to put into service mode.

1. Short-circuit between the test point on CD control board.
2. Turn the power on.
3. When LCD lights up and brinks.
4. Release the short-circuit the test point.

In Service mode

Perform the following check. Repair if there are any problems

1. LCD brinks with the following orders.
   All lights up → common 0 → 1 → 2 → 3 → All lights off.
2. When the pause key pushed. LCD brink stops and the laser diode in the optical pick-up block lights up.

Sled motor check.

Press ⏭, ⏮ keys and confirm that the optical pick-up block moves smoothly from the innermost to outermost circumference and back smoothly and with no catching or abnormal noises.

⏭: Optical pick-up block moves to the outer circumference.
⏮: Optical pick-up block moves to the inner circumference.

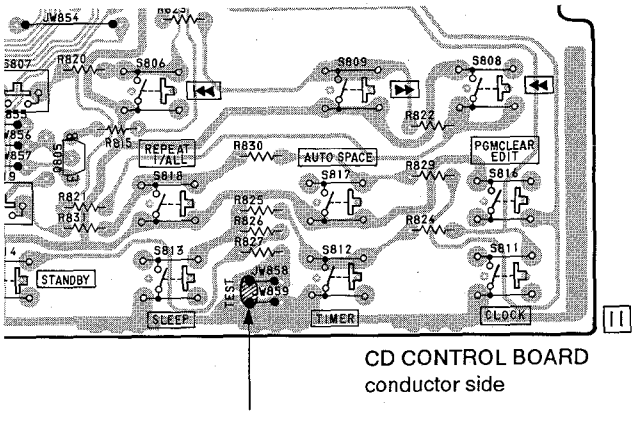
- **Focus Search Check.**
  Press ► key. Focus search servo operation and spindle servo operation performed.
  Press DISPLAY key. Tracking servo operation performed.

Press ■ key. All servo operation stops and the laser diode in the optical pick-up block lights off.
Then, LCD blinks with the following orders again.
All lights up → common 0 → 1 → 2 → 3 → All lights off.

How to release service mode.

Remove three penlight dry batteries from battery lid and turn the power off, turn the power on again.

Note: When the mulfunction is occured by mis-passing other keys, turn off the power and check again from making the service mode.



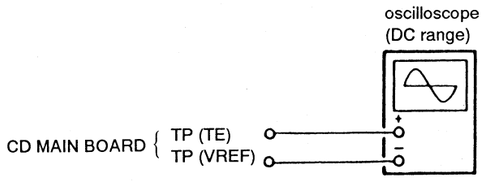
CD CONTROL BOARD
conductor side

solder bridge

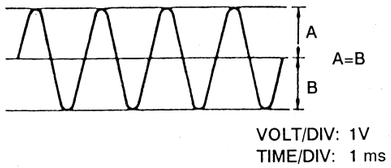
E-F Balance Adjustment

This adjustment is to be done when the optical block is replaced.

Adjustment Procedure:

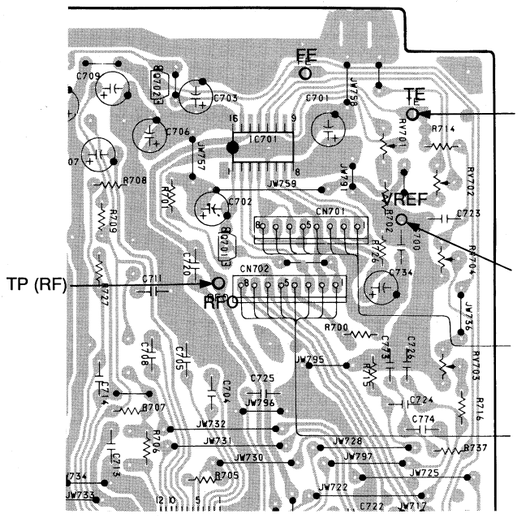


1. Connect the oscilloscope between TP (TE) and TP (VREF.)
2. Put the set into service mode.
3. Press the ⏭ and ⏮ keys to move the FOP to the center.
4. Insert disc (YEDS-18) and press ► key.
5. Adjust RV701 so that the oscilloscope traverse waveform is symmetrical, as shown in the figure below.
6. Release service mode after adjustment is completed.



Adjustment value: 2 ± 0.5 Vp-p

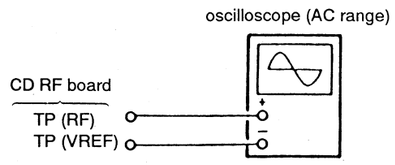
CD MAIN BOARD (CONDUCTOR SIDE)



Focus Bias Adjustment

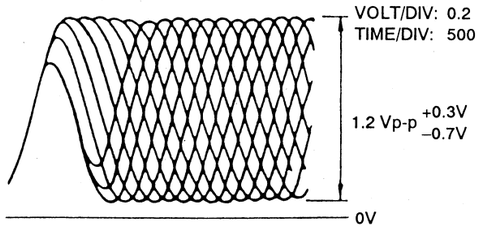
This adjustment is to be done when the optical block is replaced.

Adjustment Procedure:



1. Connect the oscilloscope between TP (RF) and TP (VREF).
2. Put the set into service mode.
3. Press the ⏭ and ⏮ keys to move the FOP to the center. (Move the FOP to the music area on the disc to enable easy visibility of the eye pattern.)
4. Insert disc (YEDS-18) and press ► key.
5. Adjust RV702 so that the oscilloscope waveform is as shown in the figure below (eye pattern).
   A good eye pattern means that the diamond scape (◇) in the center of the waveform can be clearly distinguished.
6. Release service mode after adjustment is completed.

- RF signal reference waveform (eye pattern).



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

- See page 17 for Adjustment Location.

REFERENCE

Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.
However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.
Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.
However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

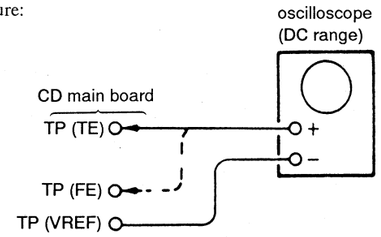
Symptoms \ Gain	Focus	Tracking
• The time until music starts becomes longer for STOP → ► PLAY on automatic selection (⏮, ⏭ buttons pressed. (Normally takes about 2 seconds.)	low	low or high
• Music does not start and disc continues to rotate for STOP → ► PLAY or automatic selection (⏮, ⏭ buttons pressed.)	–	low
• Disc table opens shortly after STOP → ► PLAY.	low or high	–
• Sound is interrupted during PLAY. Or time counter display stops progressing	–	low
• More poise during 2-axis device operation.	high	high

The following is a simple adjustment method.

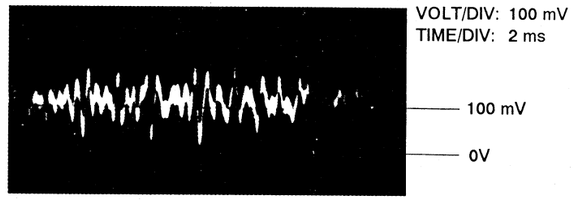
– Simple Adjustment –

Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure:

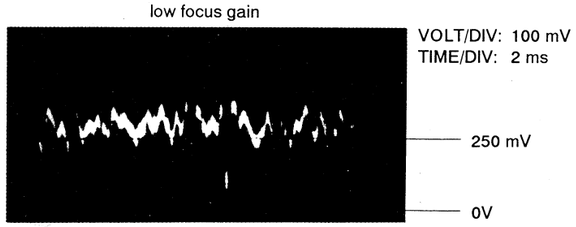


1. Keep the set horizontal.
   (If the set not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.)
2. Insert disc (YEDS-18) and press ► PLAY button.
3. Connect oscilloscope to CD main board TP (FE).
4. Adjustment RV703 so that the waveform is as shown in the figure below. (focus gain adjustment)

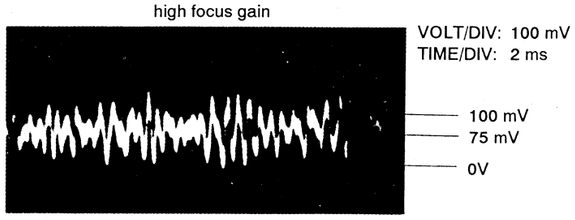


- Incorrect Examples (DC level changes more than on adjusted waveform)

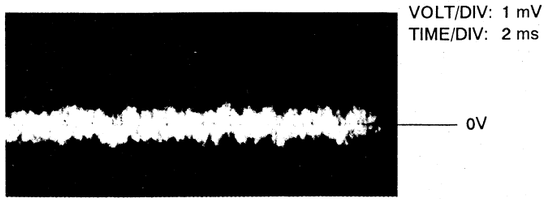
low focus gain



high focus gain

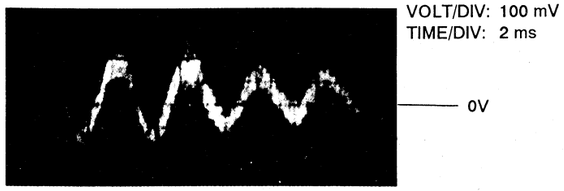


5. Connect oscilloscope to TP (TE).
6. Adjust RV704 so that the waveform is as shown in the figure below. (Tracking gain adjustment)



- Incorrect Examples (fundamental wave appears)

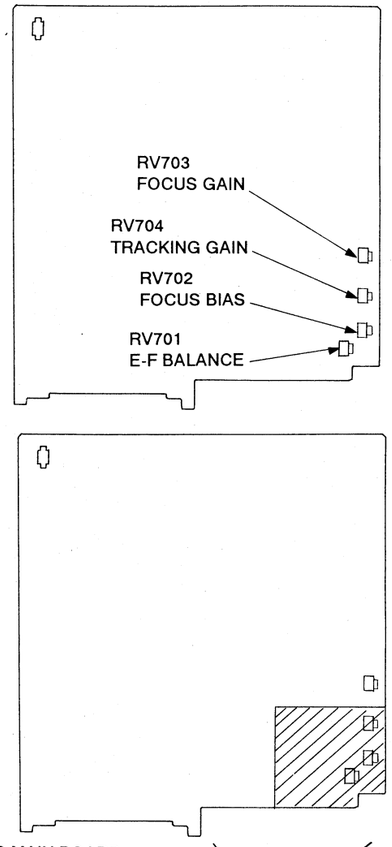
low tracking gain



high tracking gain
(higher fundamental wave than for low gain)

Adjustment Location:

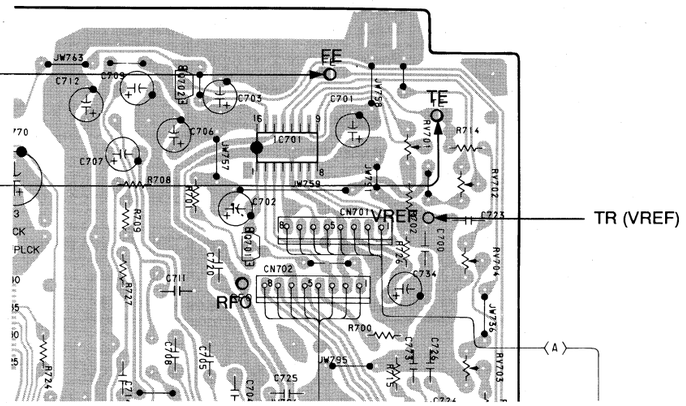
CD MAIN BOARD
– Component side –



CD MAIN BOARD
component side

TP (FE)
*
Remove the solder bridge while adjustment of focus gain.
(After adjustment make the solder bridge)

TP (TE)
*
Remove the solder bridge while adjustment of tracking gain.
(after adjustment make the solder bridge)



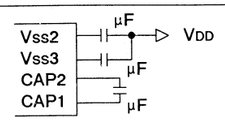
CD MAIN BOARD
Conductor side

* Note: When a frequency response analyzer is used:

SECTION 6
DIAGRAMS

6-1. IC PIN FUNCTIONS

• **IC501 Tuner Controller (μPD1724GB-524-1A7)**

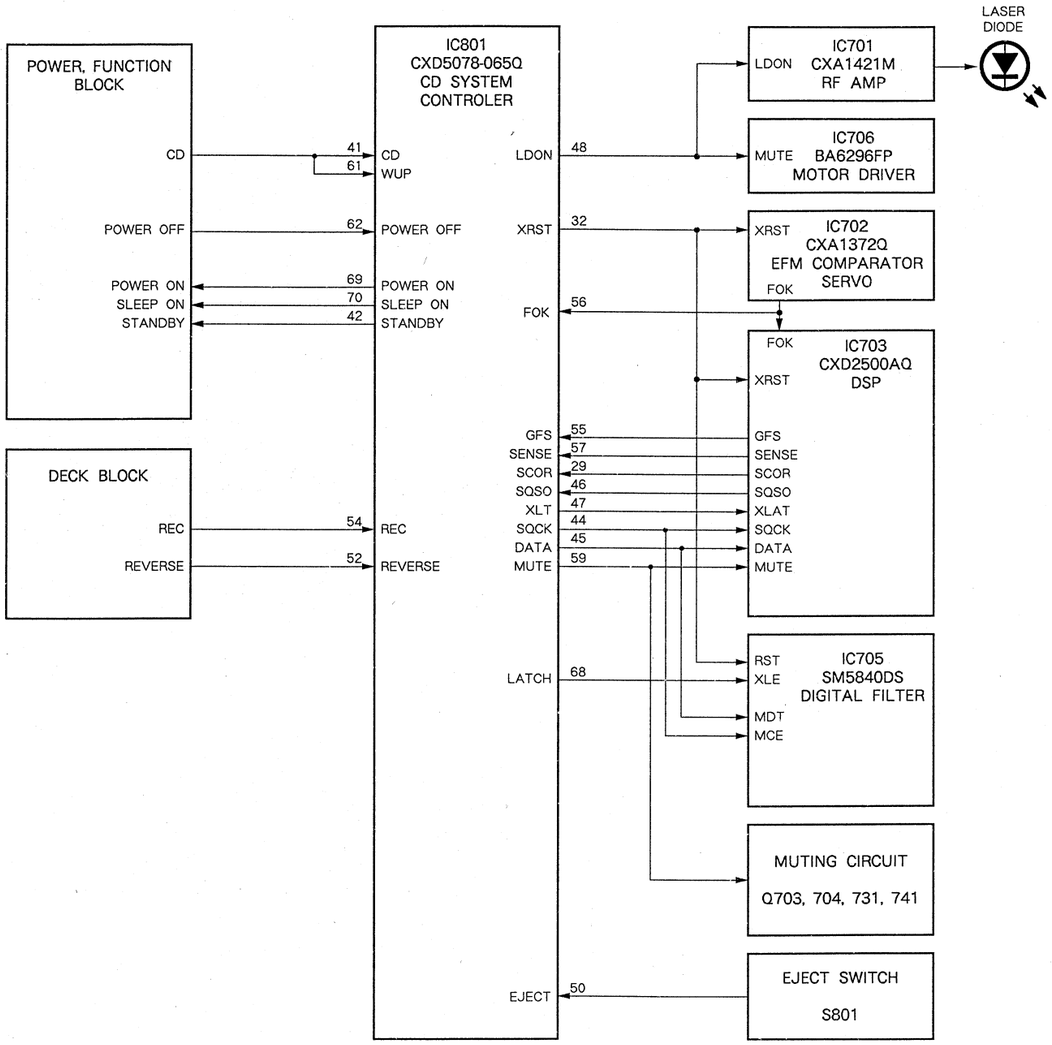
Pin No.	Pin Name	I/O	Description
1–10	LCD10–1	O	Output port for segment signal of LCD.
11	N.C.	--	Not used (OPEN).
12–14	COM3–1	O	Output port for common signal of LCD.
15	Vss3		Capacitor connection terminal of doubler circuit to produce drive voltage for LCD. 
16	CAP2		
17	CAP1		
18	Vss2		
19	VDP	–	Not used (OPEN).
20	MUTE	O	Output for muting signal to cut off the pop noise when PLL is unlock.
21	N.C.	–	Not used (OPEN).
22	VDD	–	Power supply voltage (+5V).
23	VHF	–	Not used (OPEN).
24	FM IN	I	FM VCO input terminal.
25	AM IN	I	MW•LW VCO input terminal.
26	Vss1	–	Ground.
27	EO1	O	Output of phase comparator for VCO.
28	EO2	–	Not used (OPEN).
29	CE	I	Device select input. (PLL section ON/OFF. Always "H")
30	XO	O	Output for clock oscillation circuit. (75 kHz)
31	XI	I	Input for clock oscillation circuit.
32	Vss4	–	Capacitor connection terminal of doubler circuit to produce drive voltage for LCD.
33	RM	I	Remote control signal interval input.
34	9K/10K	I	MW tuning interval select input when it initialize. "L": 9 kHz, "H": 10 kHz.
35	KEY	O	Key source output signal.
36	SD	–	
37	BAND2	O	Not used (OPEN).
38	BAND1	O	Band select output.
39	BAND0	O	Band select output.
40	KS4	–	Band select output.
41–44	KS3–KS1	O	Not used (OPEN).
45–48	K3–K0	I	Key matrix output.
49, 50	N.C.	–	Key data and remote control signal (from IC305) input.
51–56	LCD16–11	O	Not used (OPEN).

	BAND0	BAND1
LW	L	H
MW	L	L
FM	H	L

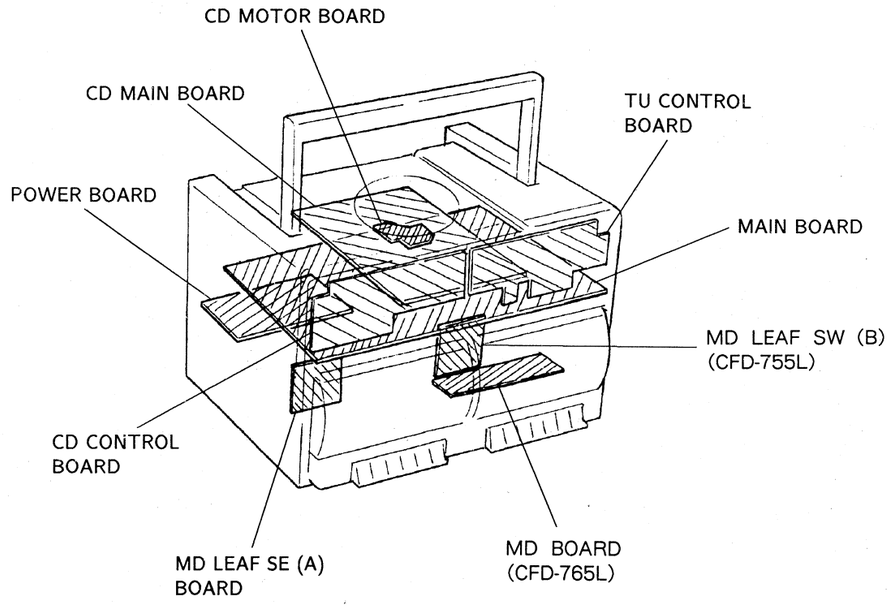
• **IC801 CXP5078-065Q CD SYSTEM CONTROLLER**

Pin No.	Pin Name	I/O	Description
1 – 19	SEG18 – SEG0	O	Output port for LCD segment signal
20 – 23	COM3 – COM0	O	Output port for LCD common signal
24 – 26	VLC1 – VLC3	–	Port for LCD bias voltage
27	VL	O	Control port for cut-off the current flow in the LCD bias resistor of external
28	RMIN	I	Remote control signal input from SIRCS receiver
29	SCOR	I	Sub code syncro signal detection input from IC703 (CD DSP)
30	XTAL	O	Output for clock oscillation circuit (3.58MHz)
31	EXTAL	I	Input for clock oscillation circuit
32	$\overline{RST}$	O	Reset signal output for IC702 (servo), IC703 (CD DSP), IC705 (Digital Filter)
33	N. C.	–	Not used (+5V)
34	VDD	–	Power supply terminal (+5V)
35 – 40	KEY0 – KEY5	I	Key input (analog)
41	CD	I	CD select (S302) input. CD: "H"
42	STANDBY	O	Output for power switch on timer mode. Timer standby mode: "H"
43	N. C.	–	Not used (open)
44	SQCK	O	Sub code (Q data) readout clock output to IC703 (CD DSP)
45	DATA	O	Serial data output to IC702 (servo) and IC703 (CD DSP)
46	SQSO	I	Subcode (Q data) serial input from IC703 (CD DSP)
47	$\overline{XLT}$	O	Serial data latch output to IC702 (servo) and IC703 (CD DSP)
48	$\overline{LD\ ON}$	O	Optical pick-up laser diode ON/OFF switching and motor driver (IC706) muting output. H: on
49	12/$\overline{24}$	I	12 or 24 hour cycle (clock) select input. "L": 24H, "OPEN": 12H
50	$\overline{EJECT}$	I	CD lid OPEN/CLOSE switch (S801) input. OPEN: "L", CLOSE:"H"
51	LEADER	I	Not used (open)
52	REVERSE	I	DECK B reverse switch (S604) input. Reverse: "H"
53	$\overline{PAUSE\ LED}$	I	Not used (open)
54	$\overline{REC}$	I	DECK B REC switch (S301) input. REC: "L"
55	GFS	I	Frame syncro signal clock status input from IC703 (CD DSP). "L": NG, "H": OK
56	FOK	I	Focus OK input from IC702 (servo). "H": OK
57	SENSE	I	Input of signal representing the internal status of IC702 (servo) and IC703 (CD DSP)
58	HI SPEED	I	Not used (open)
59	MUTE	O	Muting control output. "H": MUTE
60	N. C.	–	Not used (open)
61	WUP	I	Wake up input for standby mode cancel
62	POWER OFF	I	Power-off detection input. "L": OFF
63	$\overline{XRST}$	I	System reset input
64	N. C.	–	Not used (open)
65	MD STOP	O	Not used (open)
66	HI SPEED ERASE	O	Not used (open)
67	HI SPEED CD	O	Not used (open)
68	$\overline{LATCH\ (DF)}$	O	Serial data latch output to IC706 (Digital filter)
69	POWER ON	O	Output for power switch on timer mode. Timer ON: "H"
70	SLEEP ON	O	Output for power switch on sleep mode

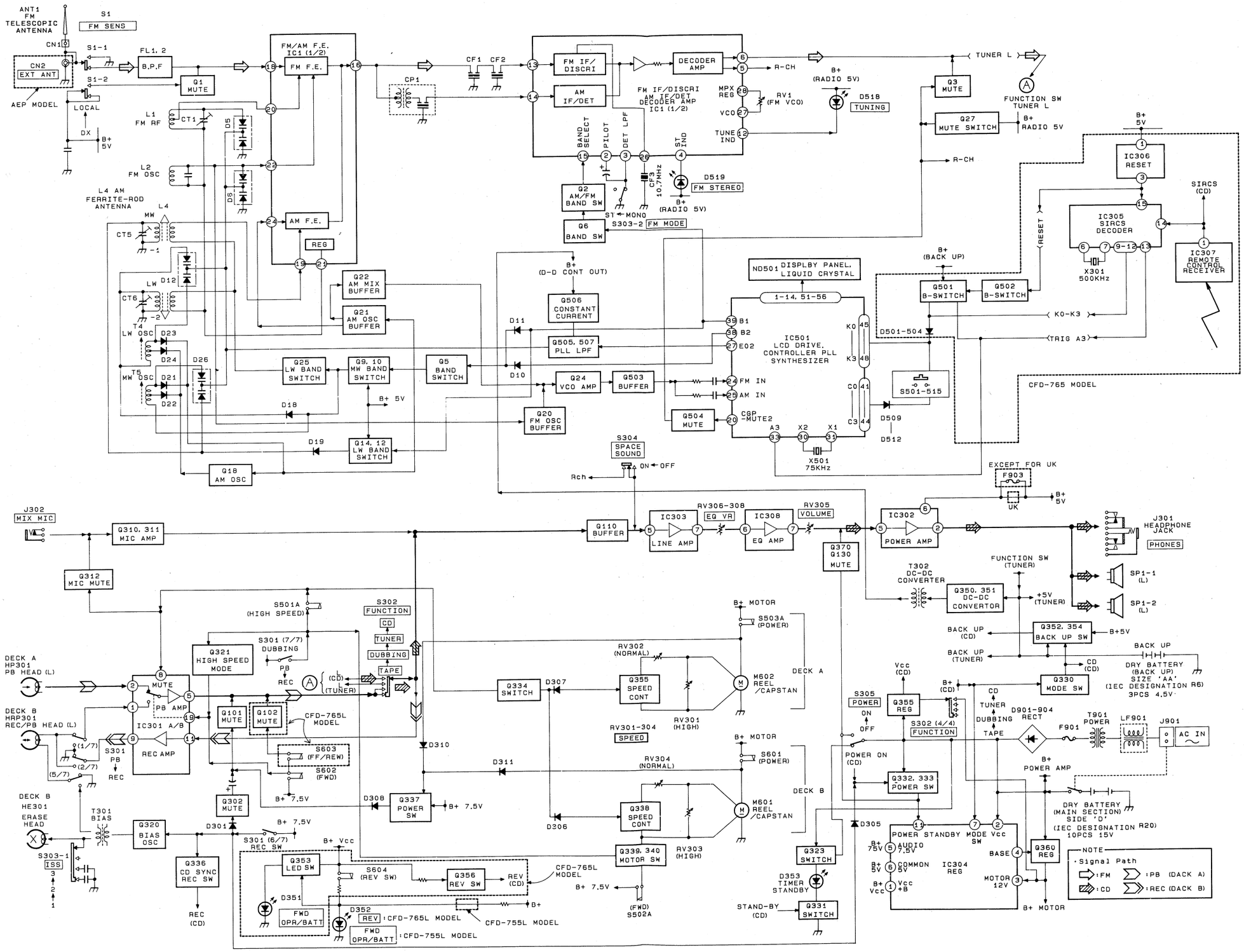
Pin No.	Pin Name	I/O	Description
71	GND	–	Power supply terminal (GND)
72	TX	O	Output for clock oscillation circuit
73	N. C.	–	Not used (open)
74	TEX	I	Input for timer clock oscillation circuit (32.768kHz)
75	VREF	–	Not used (open)
76 – 80	SEG23 – SEG19	O	Output port for LCD segment signal



6-2. CIRCUIT BOARDS LOCATION

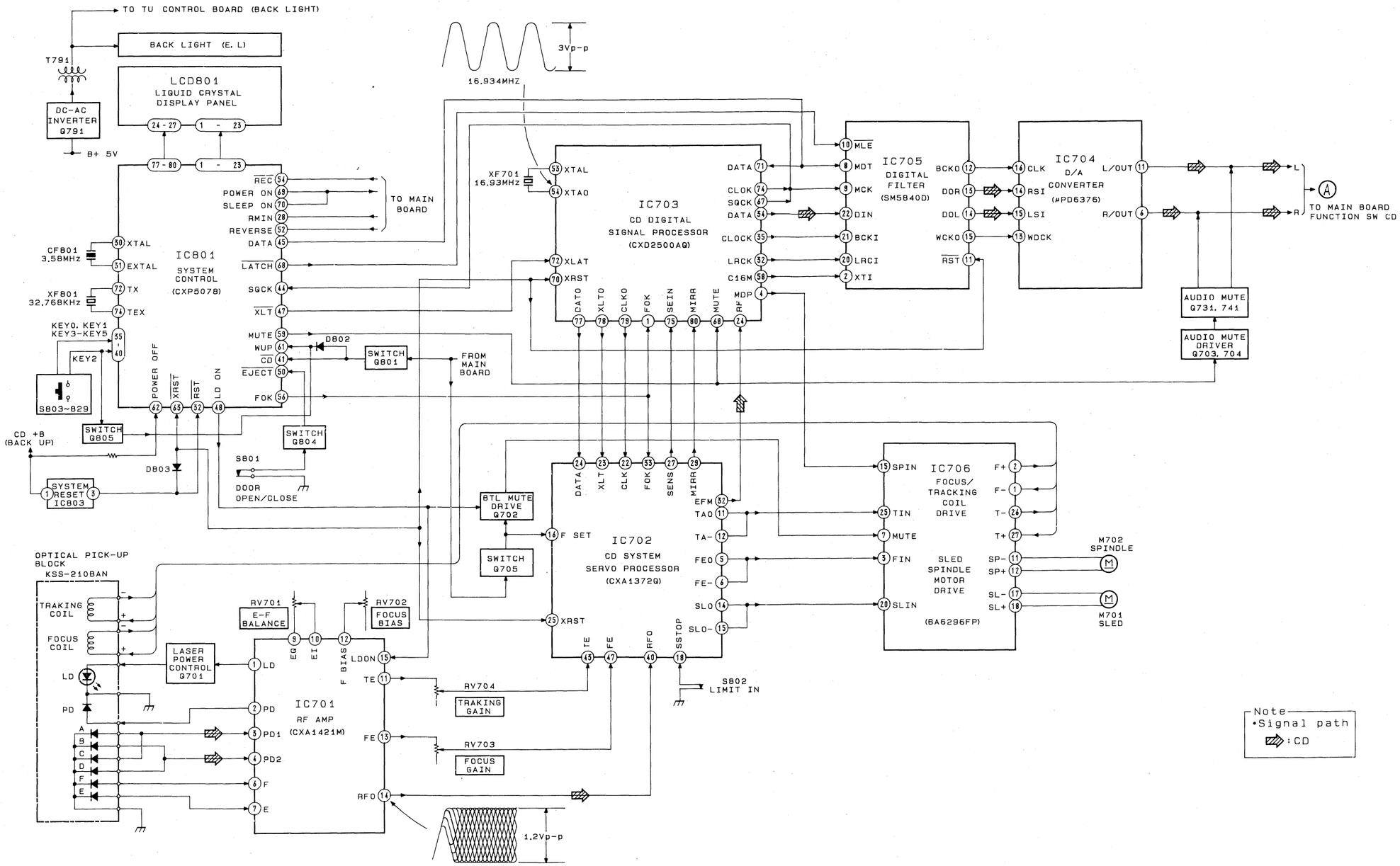


6-3. BLOCK DIAGRAM —MAIN Section—



6-4. BLOCK

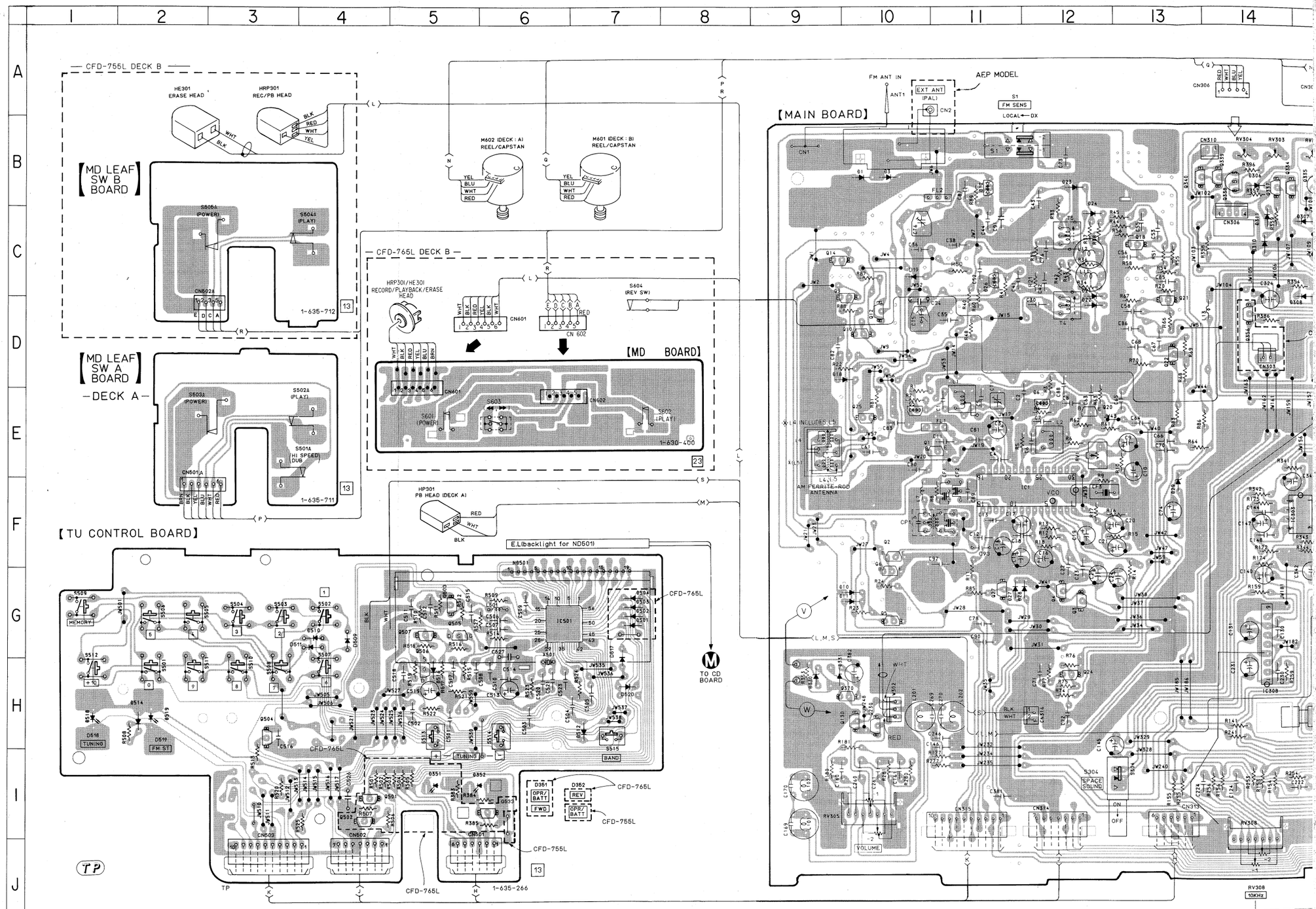
6-4. BLOCK DIAGRAM —CD Section—



• Semiconductor Location

MAIN section

Ref. No.	Location	Ref. No.	Location
D1	B-10	Q22	D-13
D3	B-10	Q24	H-12
D5	E-10	Q25	E-10
D6	E-12	Q27	G-11
D10	G-10	Q101	G-16
D11	G-10	Q102	G-16
D12	B-11	Q110	I-17
D18	D-10	Q130	H-10
D19	C-10	Q201	G-18
D21	D-12	Q202	G-17
D22	D-12	Q210	H-17
D23	B-12	Q230	H-10
D24	C-12	Q302	D-15
D26	C-11	Q310	C-17
D27	G-11	Q311	C-17
D28	G-12	Q312	C-16
D29	F-13	Q320	C-18
D301	E-15	Q321	E-17
D305	F-20	Q323	I-19
D306	B-14	Q330	G-19
D307	C-15	Q332	F-20
D308	D-15	Q333	F-20
D310	C-14	Q334	B-14
D311	C-14	Q335	B-15
D320	G-20	Q336	F-20
D321	G-20	Q337	B-14
D322	G-21	Q338	B-14
D323	G-21	Q339	B-14
D324	G-20	Q340	B-14
D325	G-20	Q350	G-21
D326	G-20	Q351	G-21
D327	G-20	Q352	G-19
D328	F-20	Q354	G-19
D330	H-9	Q355	F-20
D331	H-10	Q356	D-14
D351	I-5	Q360	E-19
D352	I-5	Q370	H-10
D353	J-19	Q501	I-4
D501	G-7	Q502	I-4
D502	G-7	Q503	G-5
D503	G-7	Q504	H-3
D504	G-7	Q505	G-5
D509	G-4	Q506	H-5
D510	G-4	Q507	G-5
D511	G-4	Q533	I-6
D512	H-7		
D514	H-2		
D516	H-5		
D517	H-7		
D518	H-1		
D519	H-2		
D520	H-7		
D601	I-20		
D901	F-28		
D902	E-28		
D903	D-28		
D904	E-28		
IC1	F-12		
IC301	F-17		
IC302	B-20		
IC303	F-15		
IC304	E-20		
IC305	H-20		
IC306	I-20		
IC307	J-20		
IC308	H-14		
IC501	G-6		
Q1	E-11		
Q2	F-10		
Q3	G-12		
Q4	G-12		
Q5	G-10		
Q6	G-10		
Q9	D-10		
Q10	D-10		
Q12	D-10		
Q14	C-10		
Q18	C-13		
Q20	E-12		
Q21	D-13		



Note:

• ■ : parts mounted on the conductor side.

CFD-765L

CN306 (Q) RED WHT BLU YEL 4

CN305 (N) RED WHT BLU YEL 4 (P)

CN307 (R) A B C D E

CN308 REC WHT YEL BLK BLU 5

J302 MIX MIC

S303-1 ISS 1→2→3

S303-2 FM MODE MONO→ST

EXCEPT FOR UK F903 T

J303 SPEAKER OUTPUT (+) R (−) (−) L (+)

CN310 CN304 CN305 CN306 CN307 CN308 CN303 CN309 CN304 CN317 CN313

RV304 RV303 RV302 RV301 RV308 RV307 RV306

IC302 IC305 IC306 IC307 IC308

T301 T302

S301 (PB → REC)

S302 TAPE DUBBING TUNER CD

S304 SPACE SOUND ON OFF

S305 ON OFF

W301 UK

W303 W904

J301 PHONES

D353 TIMER STANDBY

RV308 10KHz RV307 1KHz RV306 100Hz ROTARY EQUALIZER

S302 FUNCTION

S305 POWER (TIMER/SLEPP)

1-635-882 12

【SP L BOARD】

J303 Lch

SP1-1 (L) SP1-2 (L) 1-635-274 13

【SP R BOARD】

J303 Rch

SP2-1 (R) SP2-2 (R) 1-635-273 13

【POWER BOARD】

J901 AC IN

LF901 T901 POWER TRANSFORMER F901

CN903 CN901 CN902 1-635-272 13

TO CD BOARD (N)

TO CD BOARD (A)

【BATT D BOARD】

【BATT C BOARD】

DRY BATTERY (MAIN SECTION) SIZE "D" (IEC DESIGNATION R20) 10PCS, 15V

1-635-271 13 1-635-270 13

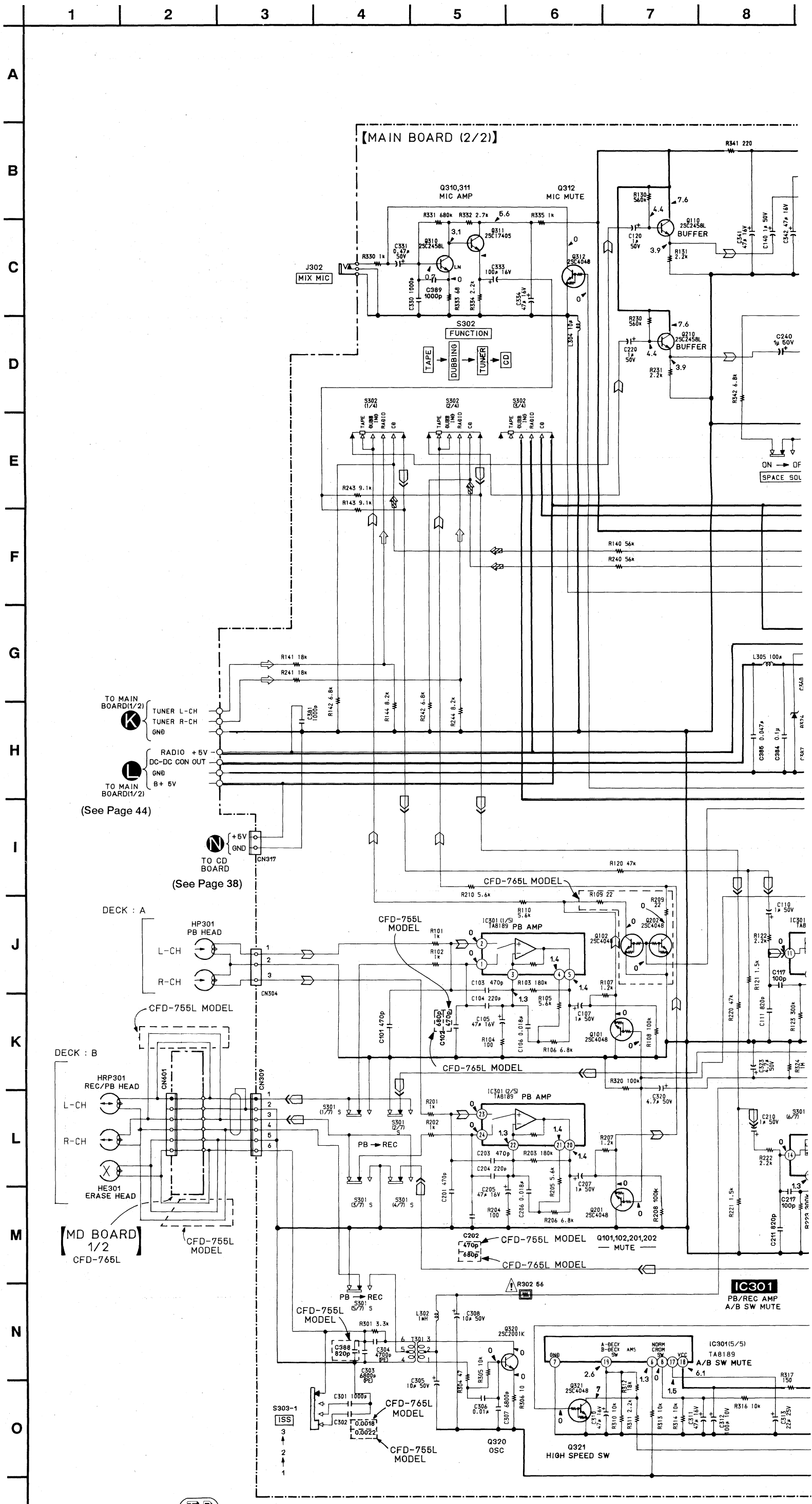
【BATT A BOARD】

【BATT B BOARD】

DRY BATTERY (BACK UP) SIZE "AA" (IEC DESIGNATION R6) 3PCS, 4.5V

1-635-268 13 1-635-269 13

6-6. SCHEMATIC DIAGRAM —MAIN Section—



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ⊟ : nonflammable resistor.
- ⊟ : fusible resistor.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- ▬ : B+ Line
- ▭ : adjustment for repair.
- Total current is measured with no cassette installed.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark: TAPE FWD
- Voltages are taken with a VOM (Input Impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM ⇨ : PB (DECK A) ⇨ : CD
  ⇨ : REC (DECK B)

A TO CD BOARD (See Page 37)

CN301 SIRCS REV VCC GND GND +B CD BACK-UP POWER-ON REC CD-L GND CD-R STAND-BY

IC308 EQ AMP

CFD-765L MODEL

RV306 100Hz RV307 1KHz RV308 10KHz

IC308 (1/2) NJM4558L

IC303 (1/2) RC4558P

IC303 (2/2) RC4558P

IC303 LINE AMP

IC308 (2/2) NJM4558L

IC302 (1/2) BA5412

IC302 (2/2) BA5412

RV305 VOLUME

EXCEPT FOR UK

Q130 2SC4048

Q230 2SC4048

F903 T2.5A 250V

Q130,230,370 — MUTE —

Q110 2SC2458L BUFFER

Q210 2SC2458L BUFFER

S304 ON → OFF SPACE SOUND

Q350,351 DC-DC CONVERTER

Q350 2SC2458TPGR

Q351 2SC2458TPGR

T302

(TUNER SECTION)

Q352,354 BACK UP SWITCH

Q354 2SC1740S

Q330 2SC3402 MODE SWITCH

Q331 2SC4048 SWITCH

Q353 SLR-34VR70F

D353 TIMER STANDBY

Q323 2SC4048 SWITCH

POWER S305 (TIMER/SLEEP) OFF → ON

Q333 2SA1564 POWER SW

Q332 2SC4048 POWER SWITCH

S302 (4/4) FUNCTION

Q355 2SD1944 REG

Q352 2SA1497

Q370 2SA1564

Q331 1SS133

Q336 2SC4048 CD SYNC REC SWITCH

Q334 2SC4048 SWITCH

NORMAL SPEED

HIGH SPEED

Q335 2SK105A SPEED CONT

Q337 2SC3399 POWER SW

Q338 2SK105A SPEED CONT

Q339 2SC4048 MOTOR SW

Q340 2SC4048 MOTOR SW

Q356 2SC4048 REV SWITCH

S301 (7/7) PB → REC

S306 (1/1)

IC301 (3/5) TA8189 REC AMP

IC301 (4/5) TA8189 REC AMP

IC301 (5/5) TA8189 A/B SW MUTE

IC301 PB/REC AMP A/B SW MUTE

Q301 (6/7) 1SS133

Q302 2SA1564 MUTE

IC305 SIRCS DECORDER

IC305 MB88201-1022L SIRCS-UCON

X301 500KHz

IC306 RESET

IC306 PST529C-T RESET-IC

IC307 REMOTE CONTROL RECEIVER

IC307 GP1U52YB SIRCS-IN

CFD-765L MODEL

CN313 K2 K3 RESET BACK UP K1 K0 TRIG-A3 REV LED GND FWD LED

TO MAIN BOARD(1/2) J (See Page 43)

H TO TUNER CONTROL BOARD (See Page 43)

17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27

RD (See Page 37)

STAND-BY

CN301

IC302 (1/2) BA5412

IC302 POWER AMP

J301 HEADPHONE-JACK

J301 PHONES

J303 SPEAKER OUTPUT

[SP TERMINAL (L) BOARD]

[SP TERMINAL (R) BOARD]

TO J303 L Ch

TO J303 R Ch

L Ch

R Ch

SP1-2

SP1-1

SP2-1

SP2-2

C952 15μ 25V

C951 15μ 25V

RV305 (1/2) 60K

RV306 VOLUME

IC302 (2/2)

UK MODEL

EXCEPT FOR UK

Q130 2SC4048

Q230 2SC4048

F903 T2.5A 250V

Q130,230,370 — MUTE —

IC304 REG

IC304 BA3922

VCC+B, VCC, MOTOR, 7.5V (PRE), 5V (COM), MODE (CD), 7.5V (CD), RESET, GND (PRE), POWER -STANDBY, GND (POR)

D330 RD2.7ESB2

Q331 1SS133

C382 100μ 10V

Q370 2SA1564

POWER S305 (TIMER/SLEEP)

OFF → ON

POWER SW

Q323 2SC4048 SWITCH

Q332 2SC4048 POWER SWITCH

R350 2.7k

R351 560

D305 1SS133

S302 (4/4)

R382 330

Q355 2SD1944 REG

R387 3.3

R328 RD6.2ESB3

C365 47μ 16V

C366 47μ 16V

Q360 2SB1370 REG

C376 10μ 50V

C377 0.33μ

C378 0.33μ

C371 47μ 16V

C372 100μ 10V

C373 220μ 16V

C374 0.01μ

R370 47k

C375 0.01μ

CN302

VCC
GND
GND
BACK-UP

TO POWER BOARD

(See Page 34)

FUNCTION

CN308

S501A HI-SPEED-SW

S502A FWD

S503A POWER

CN501A

DECK : A

[MD LEAF SW(A) BOARD]

NORMAL SPEED

HIGH SPEED

RV302 2.2k

RV301 2.2k

Q335 2SK105A SPEED CONT

R395 1.8k

M602

CN305

CN310

HIGH SPEED TEST POINT

CFD-755L MODEL

CFD-765L MODEL

[MD LEAF SW(B) BOARD]

[MD BOARD 2/2]

CN502A

CN602

S602 S604A FWD

S603 FF/REW

S601 S605A POWER

CFD-765L MODEL

CFD-755L MODEL

CN307

S604 REV-SW

CN303

CFD-765L MODEL

CFD-755L MODEL

DECK : B

CFD-765L MODEL

D356 2SC4048 REV SWITCH

R386 1k

RV304 2.2k

NORMAL SPEED

RV303 2.2k

HIGH SPEED

R396 1.8k

Q338 2SK105A SPEED CONT

R357 47k

R358 10k

Q340 2SC4048 MOTOR SW

Q339 2SC4048 MOTOR SW

M601

CN306

5L MODEL

[POWER BOARD]

T901 POWER TRANSFORMER

F901 4A 250V

LF901

J901 AC IN

D901 IN5401-M

D902 IN5401-M

D903 IN5401-M

D904 IN5401-M

C903 0.01μ

C904 0.01μ

C905 0.01μ

C906 0.1μ

C902 0.01μ

CN903

TO MAIN SECTION

(See Page 34)

CN902

CN901

DRY BATTERY SIZE "D" (IEC DESIGNATION R20) 10CS 15V

15V

BATTC PCB(D)

BATTD PCB(C)

BATTB PCB(B)

BATTA PCB(A)

4.5V

BACK UP DRY BATTERY SIZE "AA" (IEC DESIGNATION R6) 3PCS 4.5V

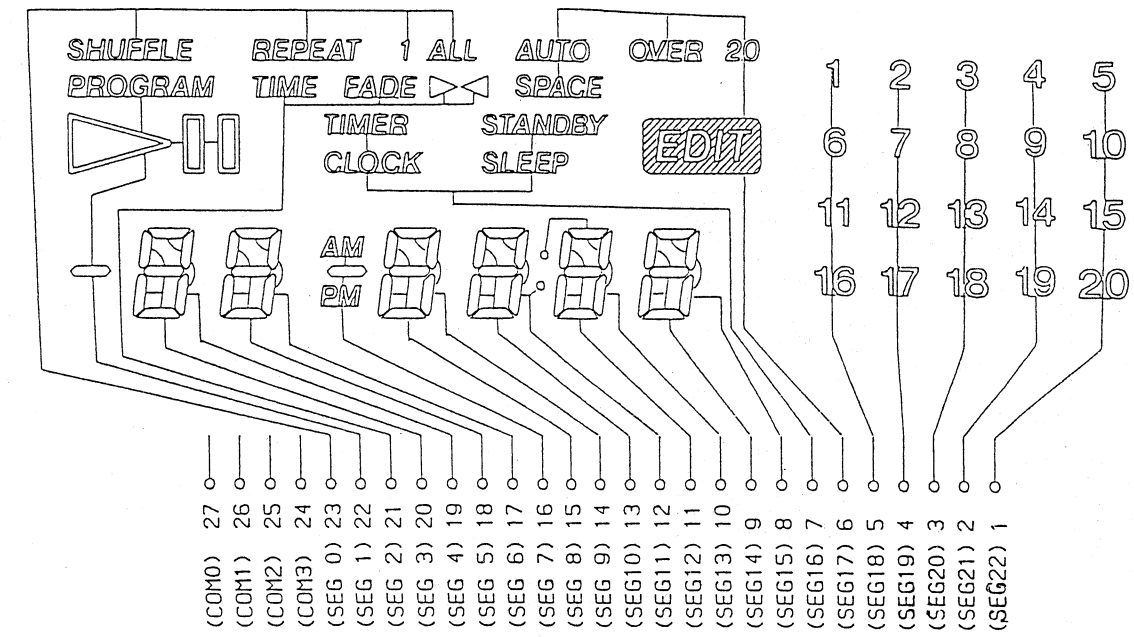
TOTAL CURRENT

TAPE ▶ : 180mA
■ : 140mA
● : 220mA
CD ▶ : 400mA
■ : 260mA
TUNER FM : 150mA
AM : 150mA

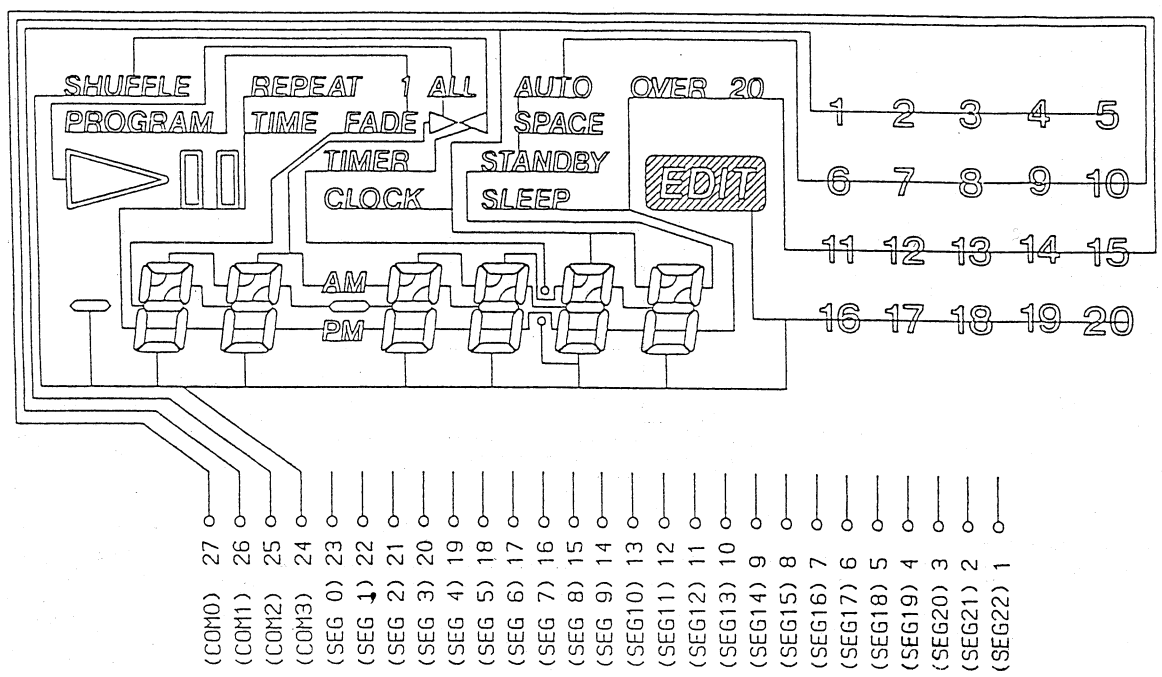
6-8. SCHEMATIC DIAGRAM —CD Section—

LCD801

SEGMENT



COMMON

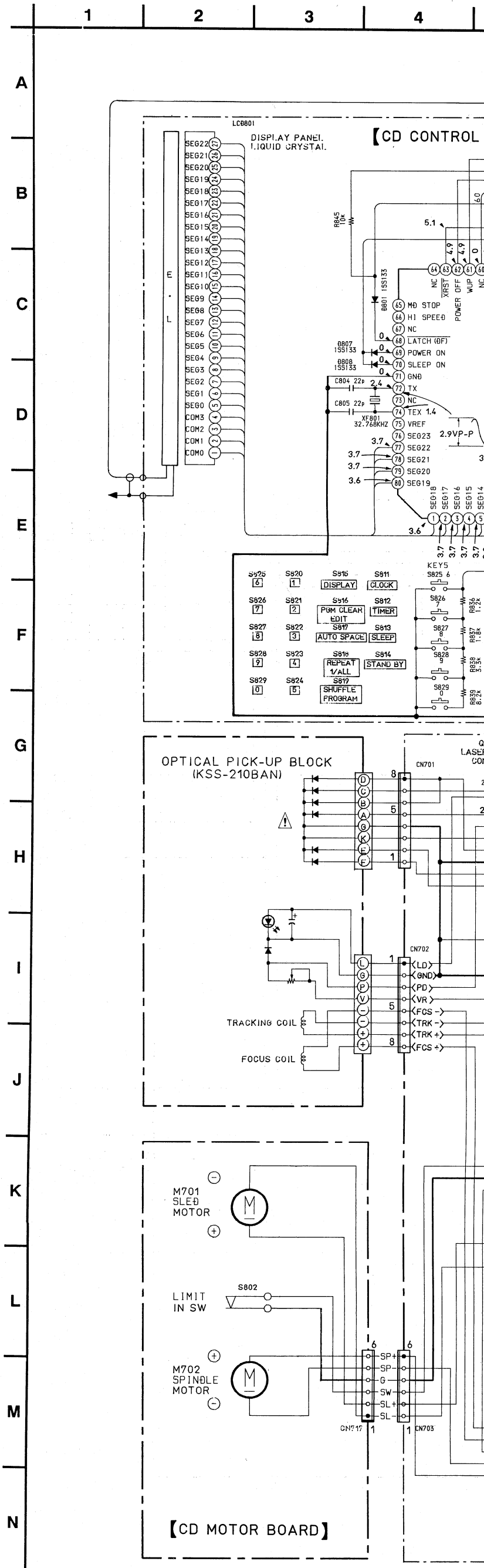


Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- ▬▬ : B+ Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark: CD PLAY
- Voltages are taken with a VOM (Input Impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇛ : CD



【CD CONTROL BOARD】

【CD MAIN BOARD】

DISPLAY PANEL
LIQUID CRYSTAL

IC801
CXP5078
SYSTEM CONTOROL

IC803
SYSTEM RESET

IC701
CD RF AMP

IC702
CXA 1372Q
CD SYSTEM SERVO PROCESSOR

IC705
DIGITAL FILTER

IC706
BA6296FP
DRIVER

Q701 LASER POWER CONTROL

Q702 BTA124TS BTL MUTE DRIVE

Q705 B÷SWITCH

Q801 2SA1346 SWITCH

Q802 1SS133

Q803 1SS133

Q804 2SC3400 EJECT SWITCH

Q805 2SA733 SWITCH

S801 (OPEN/CLOSE)

OPEN : 12H
SHORT : 24H

S810 ÷10

S809 PGM CHECK

S808 INTRO SCAN

S807 SEND

S806 PAUSE

S805 PLAY

S804 PAUSE

S803 STOP

S816 DISPLAY

S811 CLOCK

S812 TIMER

S813 SLEEP

S814 STAND BY

S815 PGM CLEAR EDIT

S817 AUTO SPACE

S818 REPEAT 1/ALL

S819 SHUFFLE PROGRAM

TRACKING COIL

FOCUS COIL

TRACKING GAIN

FOCUS GAIN

E-F BALANCE

FOCUS BAIS

VREF

32.768KHZ

3.58MHZ

2.9VP-P

5.3VP-P

1.2VP-P

CN701

CN702

CN703

CN705

CN709

CN710

CN711

CN803

CN804

S802

TO MAIN BOARD (See Page 33)

MOTOR BOARD

IN BOARD】

S801 (OPEN/CLOSE)

Q804 2SC3400 EJECT SWITCH

R846 10k

OPEN : 12H
SHORT : 24H

D707 1SS133

C776 1000p

C792 6.8 10V

T791 032-46B

R791 8.2k

R792 82

C793 0.033µ 16V

L791 220µ

C791 1000 6.3

Q791 2SC2458 DC-AC INVERTER

CN791

CN792

CN790

5V

GND

Ⓜ TO TU CONTROL BOARD
(See Page 43)

Ⓝ TO MAIN BOARD
(See Page 31)

C757 0.47µ 50V

R723 100k

C755 0.01µ

C779 0.01µ

R722 100k

C732 20p (CH)

C731 20p (CH)

XF701 16.9344MHZ

FOK

0-1.1

IC703
CXD 2500AQ
CD DIGITAL
SIGNAL PROCESSOR

MIRR CLKO XLTO DATO CNIN SEIN CLOK VDD XLAT DATA XRST SENS MUTE SOCK SQSO EXCK

FOK FSW MON MDP MDS LOCK N.C VCOO VCOI TEST PDO VSS N.C N.C N.C VPCO VCKI FILO FILI PCO A.VSS CLTV A.VDD RF

SBSO SCOR WFCK EMPH D.OUT MD2 C16M C4M FSTT XTSL XTAO XTAI VSS APTL APTR MNTO MNT1 MNT2 MNT3 XRACF C2PO RFCK GFS PLCK

WFCK EMPH C4M MNTO MNT1 MNT2 MNT3 RFCK PLCK

BIAS ASYI ASYO ASYE N.C PSSL WDCK LRCK VDD DATA CLOCK DATA (64BIT) CLOCK (64BIT) LRCK (64BIT) GTOP XUGF

5VP-P 135µsec
5VP-P 0.24 µsec
2.8VP-P 16.9344MHZ
5VP-P 135µsec
5VP-P 135µsec
5VP-P 0.24 µsec

R717 2k
R719 2k
C727 0.047µ 50V
R718 120k
C728 1500p
0.5-1

ASY EFM

C754 0.01µ
R721 100k
C729 0.47µ 50V
C730 0.01µ
R720 11k
C770 47µ 16V
R778 220k
C777 1000p

Q703,704 AUDIO MUTE DRIVER
Q703 DTC114TS
Q704 DTA114YS
C733 2.2µ 50V
R725 22k
R724 1k
R730 1k

IC705 SM5840AB
RST MLE MCK MDT NC NC VSS CKO XTO XTI CKSL
BCKO BDR BDL WCKO VDD NC NC NC LRCI BCKI DIN

L702 3.3µ
R729 1k
C753 0.47µ 50V

IC704 µPD6376
4/8FS CLK LST RSI WDCK AGND LOUT LREF RREF
BGND NC DVDD AGND ROUT AVDD AVDD

C736 47µ 16V R731 1k
C745 33µ 16V
C736 33µ 16V
C737 2200p
C747 2200p
C746 47µ 16V R741 1k

Q731 DTC343TS
Q741 DTC343TS
Q731,741 AUDIO MUTE

IC705
DIGITAL FILTER

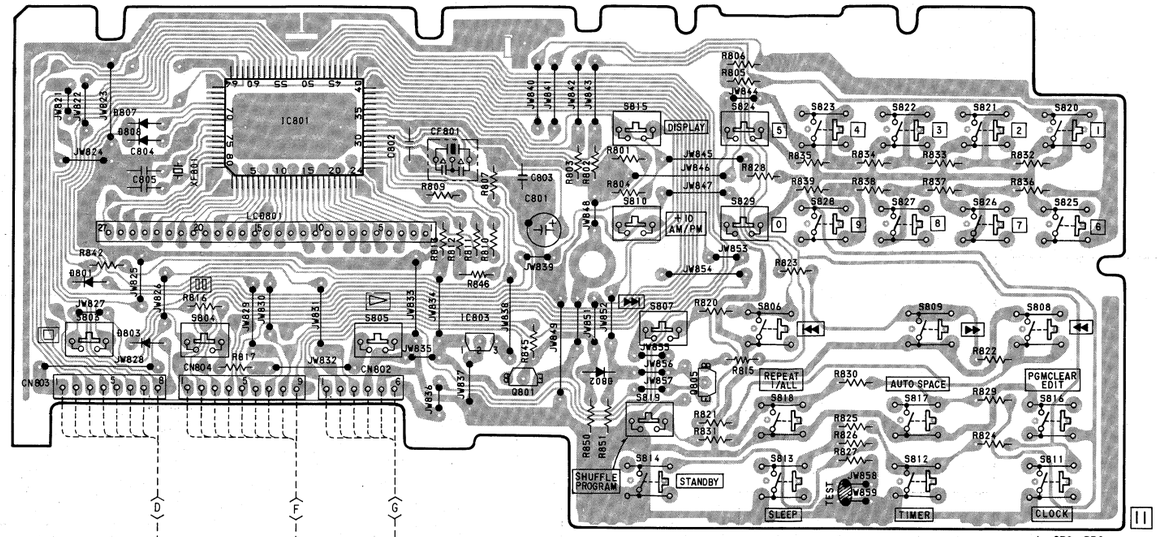
IC704
D/A CONVERTER

CN705
VCC GRG G +B CB BACK UP POWER ON REC L GND R STANDBY

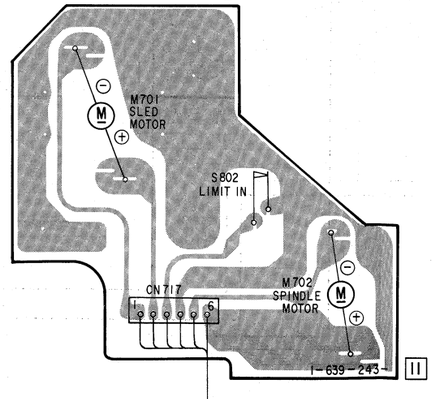
Ⓐ TO MAIN BOARD
(See Page 33)

• See page 47 for Semiconductor Lead Layouts.

【CD CONTROL BOARD】

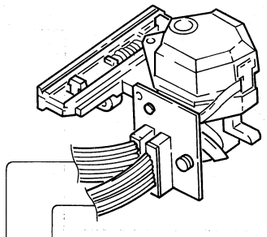


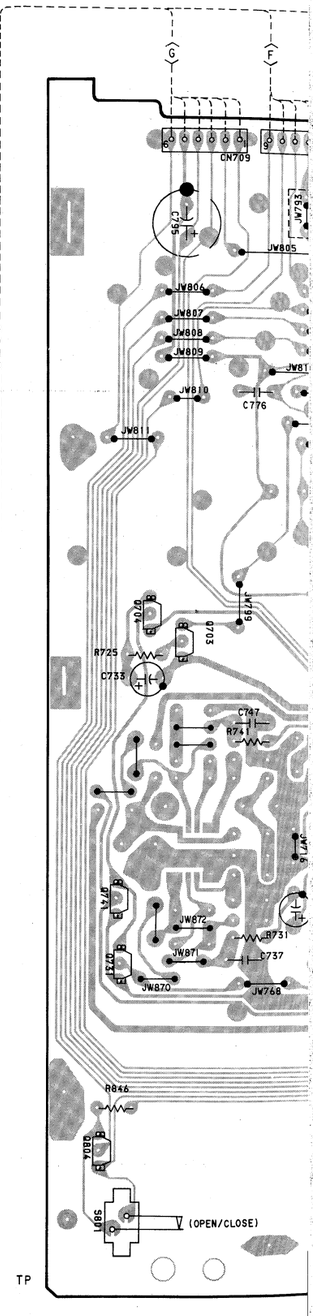
【CD MOTOR BOARD】



E.L.(BaCKlight for LCD801

OPTICAL PICK-UP BLOCK
(KSS-210B)

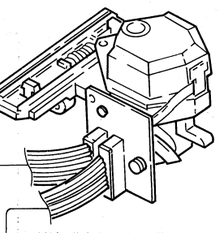




TP

【CD MAIN BOARD】

OPTICAL PICK-UP BLOCK
(KSS-210B)



I-639-336-

I-640-387-

TP

TO MAIN BOARD

TO TUCONTROL BOARD

(OPEN/CLOSE)

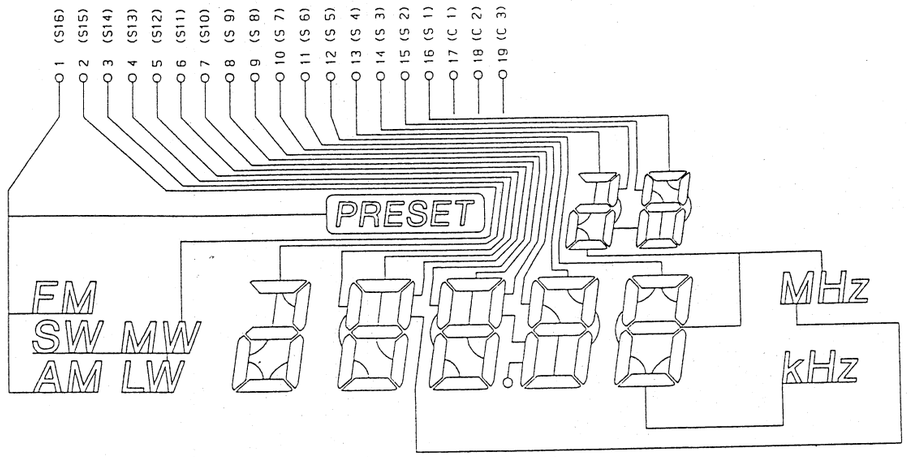
• Semiconductor Location

CD section

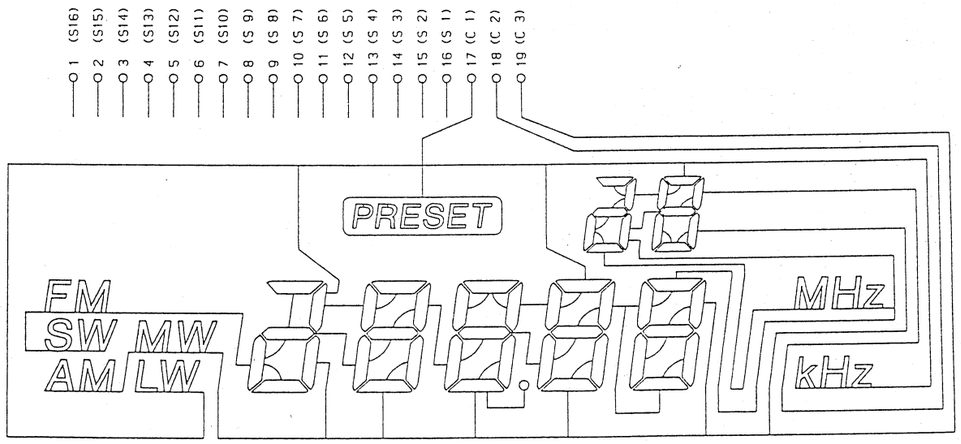
Ref. No.	Location
D706	E-10
D707	D-10
D801	C-1
D802	D-4
D803	D-2
D807	B-2
D808	B-2
IC701	C-14
IC702	E-13
IC703	D-11
IC704	F-10
IC705	F-11
IC706	F-14
IC801	B-3
IC803	D-4
Q701	C-13
Q702	B-13
Q703	E-9
Q704	D-9
Q705	F-11
Q731	F-9
Q741	F-9
Q791	H-13
Q801	D-4
Q804	H-9
Q805	D-5

ND501

SEGMENT



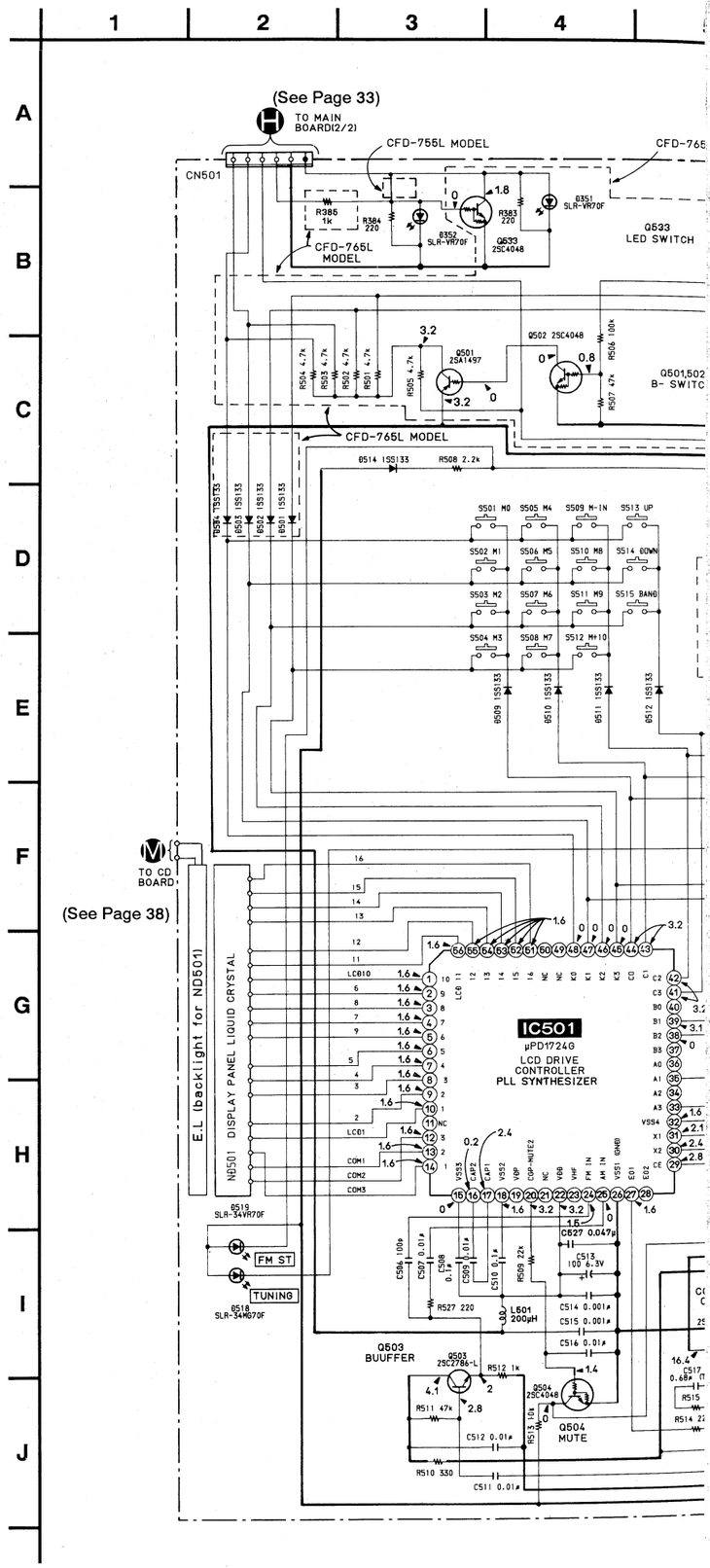
COMMON



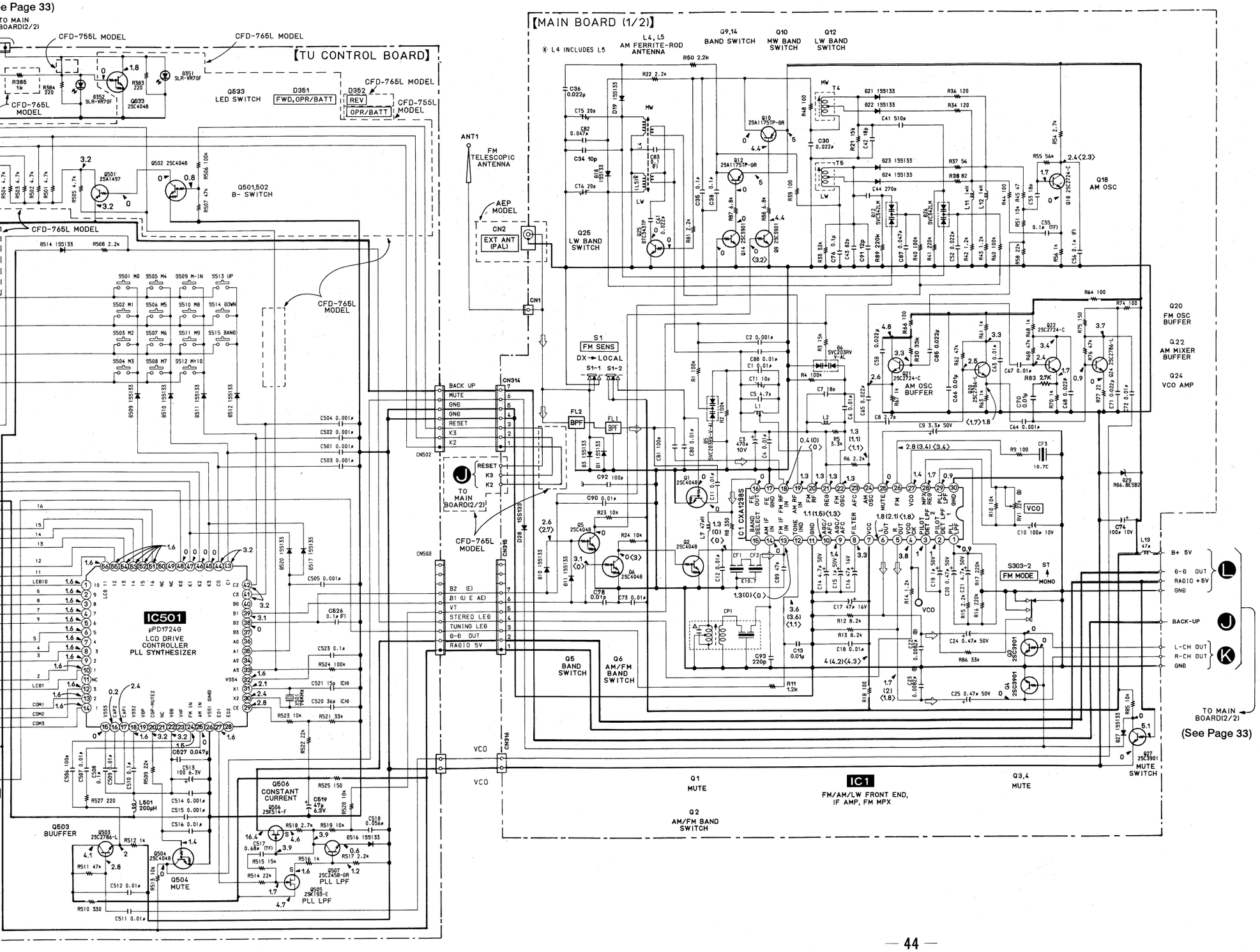
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▬ : B+ Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : MW
  < > : LW
- Voltages are taken with a VOM (Input Impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM

6-10. SCHEMATIC DIAGRAM —TUNER Section—

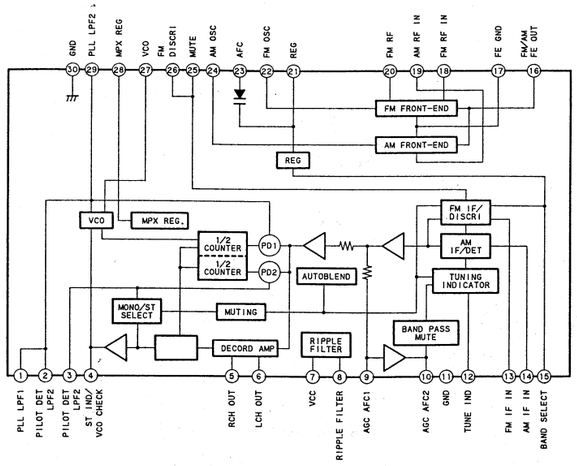


(See Page 33)

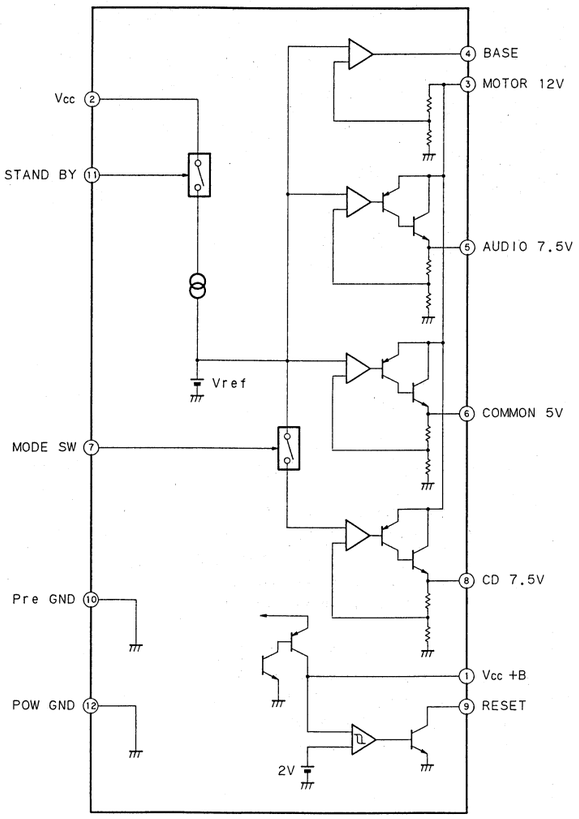

【MAIN BOARD (1/2)】
【TU CONTROL BOARD】
CFD-765L MODEL
IC501
μPD17246
LCD DRIVE CONTROLLER PLL SYNTHESIZER
IC1
FM/AM/LW FRONT END, IF AMP, FM MPX
Q1 MUTE
Q2 AM/FM BAND SWITCH
Q3,4 MUTE
Q5 BAND SWITCH
Q6 AM/FM BAND SWITCH
Q25 LW BAND SWITCH
Q9,14 BAND SWITCH
Q10 MW BAND SWITCH
Q12 LW BAND SWITCH
L4, L5 AM FERRITE-ROD ANTENNA
FM TELESCOPIC ANTENNA
AEP MODEL
EXT ANT (PAL)
Q501,502 B- SWITCH
Q503 BUUFFER
Q504 MUTE
Q506 CONSTANT CURRENT
Q507 PLL LPF
Q505 PLL LPF
Q18 AM OSC
Q20 FM OSC BUFFER
Q22 AM MIXER BUFFER
Q24 VCO AMP
AM OSC BUFFER
VCO
MUTE SWITCH
S1 FM SENS DX→LOCAL
S303-2 FM MODE
BACK UP
MUTE
GND
RESET
K3
K2
B2 (E)
B1 (U E AE)
VT
STEREO LED
TUNING LED
θ-θ OUT
RADIO 5V
B+ 5V
θ-θ OUT
RADIO +5V
L-CH OUT
R-CH OUT
TO MAIN BOARD(2/2)
(See Page 33)

• IC BLOCK DIAGRAM

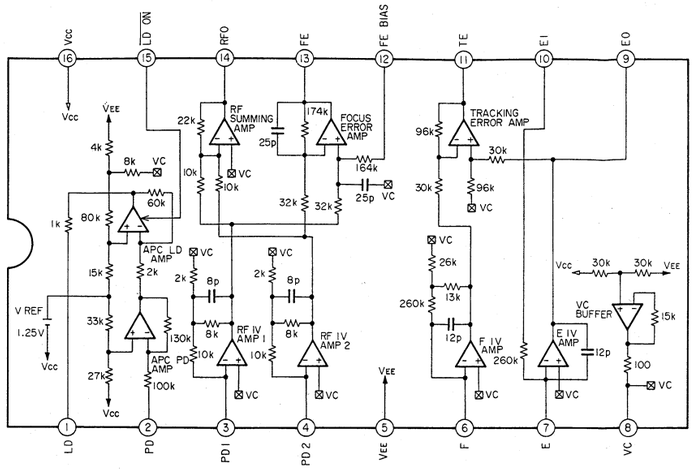
IC1 CXA-1238S



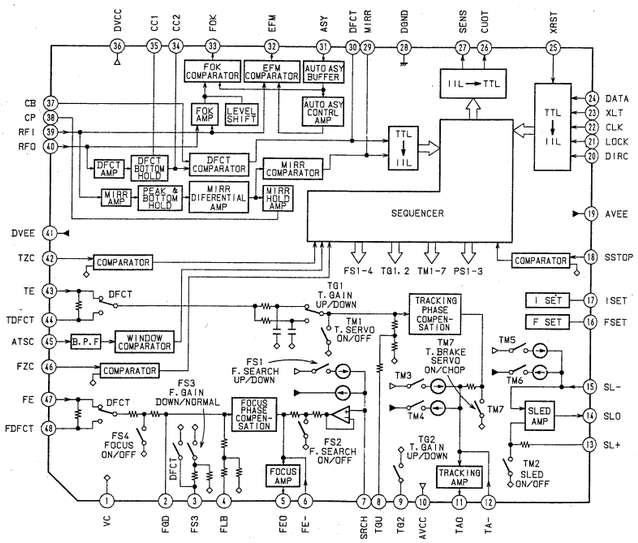
IC304 BA3922



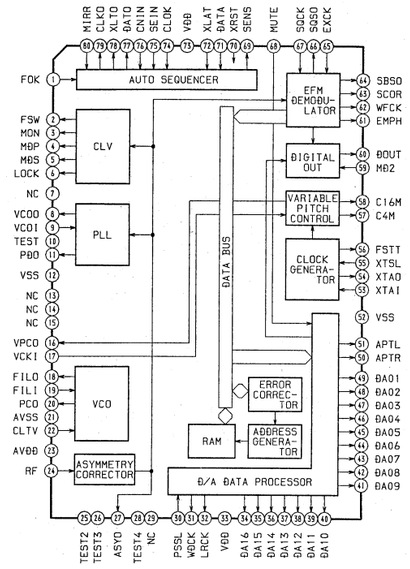
IC701 CXA1421M



IC702 CXA1372Q

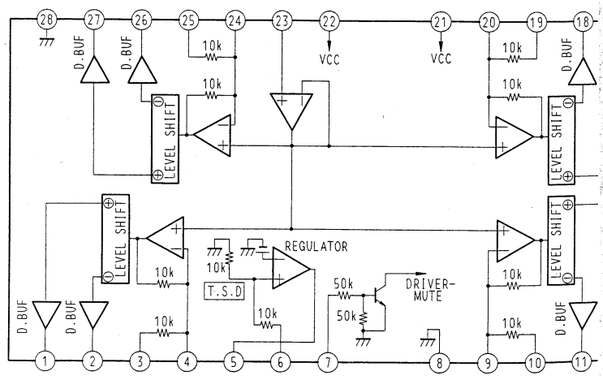


IC703 CXD2500AQ

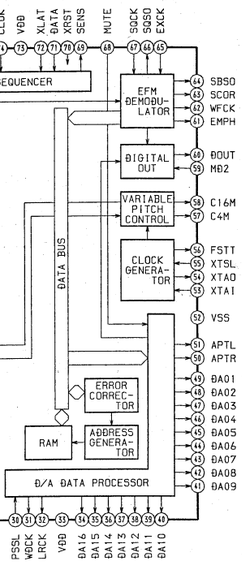


IC704 μPD6376GS

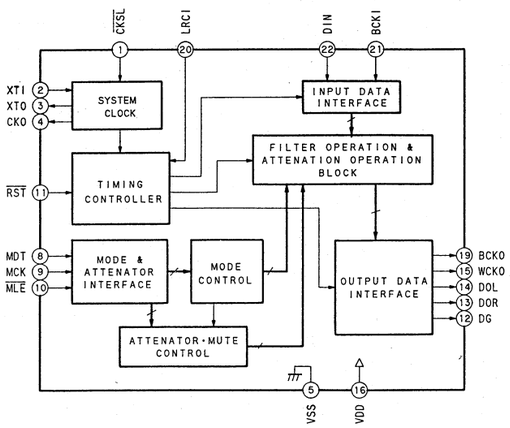
IC706 BA6296FP



0AQ

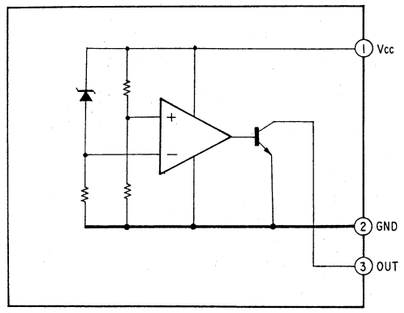


IC705 SM5840SD

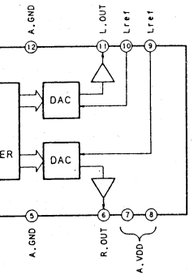


IC306 PST-529C

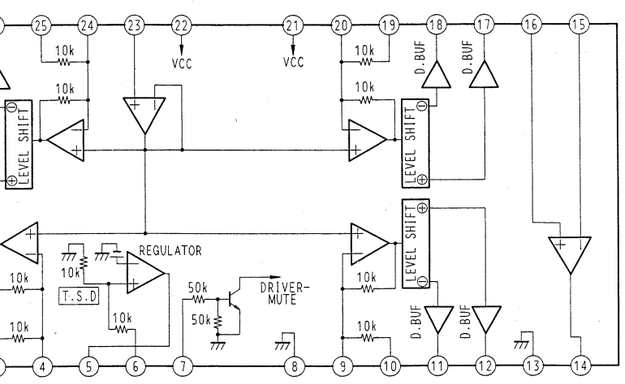
IC803 PST-529J



76GS

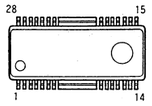


P

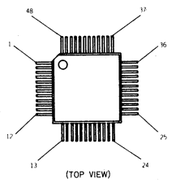


6-11. SEMICONDUCTOR LEAD LAYOUTS

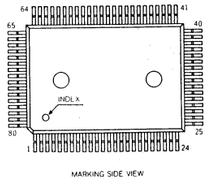
BA6296FP



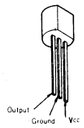
CXA1372Q



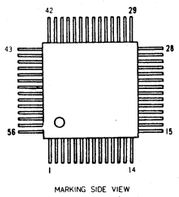
CXD2500AQ
CXP5078-065Q



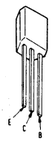
PST529C
PST529J



μPD1724GB-524-1A7

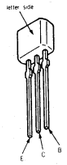


DTA114TS
DTA114YS
DTA124ES
DTC114ES
DTC143ES
DTC144ES
2SC1740SLN-RS
2SC2458L-GR
2SC2724-C
2SC4048

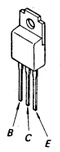


DTC343TS
KSR1003
KSR1010
2SA733-K
2SA950-Y
2SB1013-4
2SC2001-K2

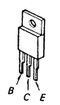
KSR2006
2SA1175-HFE
2SC2785-HFE
2SC2786-L



2SB1370-EF

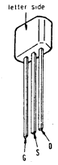


2SD1944-K

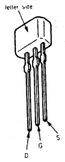


2SK105A-30

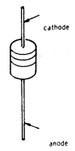
2SK193



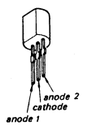
2SK514-H



RD2.7ES-B2
RD3.9ES-B2
RD6.8ES-B2
RD8.2ES-B3
RD16ES-B3
1SS119

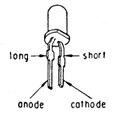


SVC203RA-V
SVC342LM-V

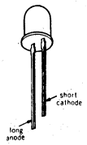


U15G

GL-3PR9



SLR-34MG70F-150
SLR-34VR70F-150
SLR-34VR70F-165



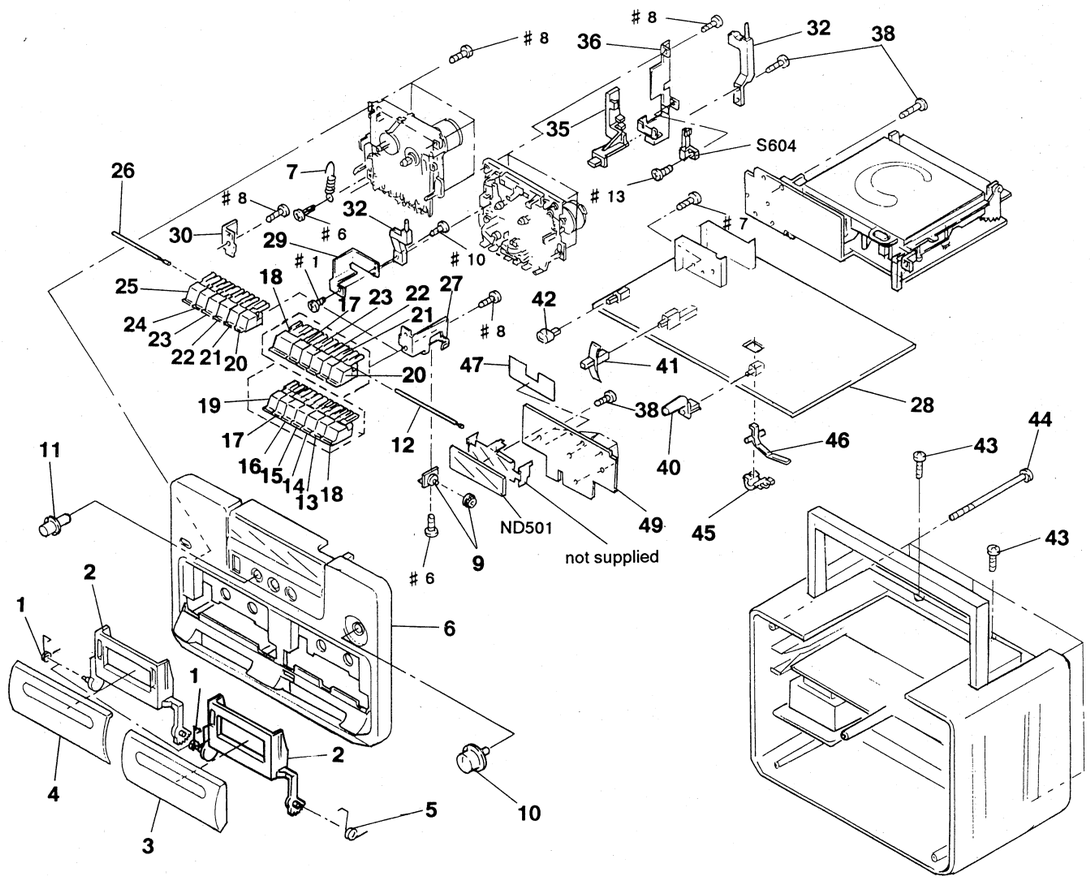
SECTION 7
EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example:
  KONB, BALANCE (WHITE) . . . (RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

7-1. CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	4-938-733-01	SPRING (TC) (A), UP	
2	4-938-712-01	HOLDER, CASSETTE	
3	X-3362-998-1	LID ASSY (45AE-B), CASSETTE (755L)	
3	X-3363-000-1	LID ASSY (46AE-B), CASSETTE (765L)	
4	X-3363-006-1	LID ASSY (46-A), CASSETTE	
5	4-938-757-01	SPRING (TC) (B), UP (765L)	
6	X-3362-996-1	CABINET (FRONT) ASSY (45) (755L)	
6	X-3363-002-1	CABINET (FRONT) ASSY (46) (765L:AEP, UK)	
7	3-362-512-01	SPRING, TENSION	
9	3-351-377-11	DAMPER	
10	4-938-767-01	KNOB (VOL)	
11	4-938-768-01	KNOB (GER)	
12	4-938-756-01	SHAFT (B), MD BUTTON	
13	4-938-742-01	BUTTON (PAUSE), 33 (765L)	
14	4-938-741-01	BUTTON (FF), 33 (765L)	
15	4-938-740-01	BUTTON (REW), 33 (765L)	
16	4-938-739-01	BUTTON (PLAY), 33 (765L)	
17	4-938-738-01	BUTTON (REC), 33 (765L)	
17	4-938-770-01	BUTTON (REC), 45 (755L)	
18	4-938-743-01	BUTTON (STOP/EJECT), 33 (765L)	
18	4-938-773-01	BUTTON (STOP/EJECT), 45 (755L)	
19	4-938-737-01	BUTTON (DIR), 33 (765L)	
20	4-938-750-01	BUTTON (PAUSE), 45	
21	4-938-749-01	BUTTON (FF), 45	
22	4-938-748-01	BUTTON (REW), 45	
23	4-938-747-01	BUTTON (PLAY), 45	
24			
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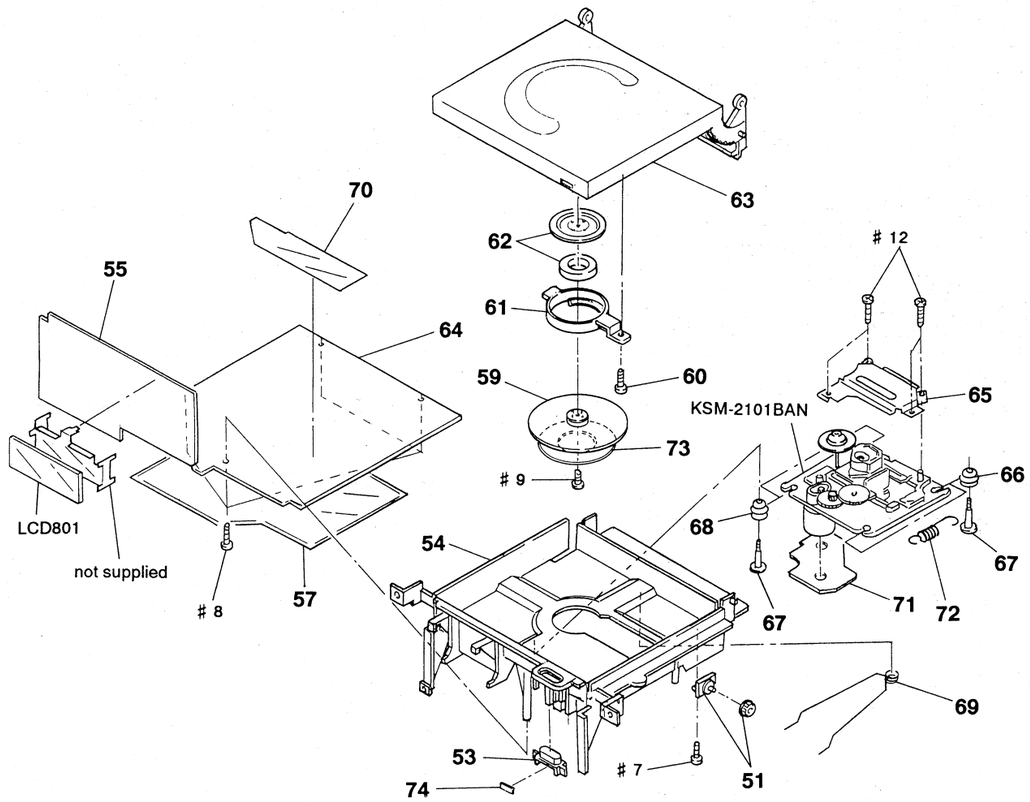
S604			

t No.	Description	Remark
38-733-01	SPRING (TC) (A), UP	
38-712-01	HOLDER, CASSETTE	
362-998-1	LID ASSY (45AE-B), CASSETTE (755L)	
363-000-1	LID ASSY (46AE-B), CASSETTE (765L)	
363-006-1	LID ASSY (46-A), CASSETTE	
38-757-01	SPRING (TC) (B), UP (765L)	
362-996-1	CABINET (FRONT) ASSY (45) (755L)	
363-002-1	CABINET (FRONT) ASSY (46) (765L:AEP, UK)	
62-512-01	SPRING, TENSION	
51-377-11	DAMPER	
38-767-01	KNOB (VOL)	
38-768-01	KNOB (GER)	
38-756-01	SHAFT (B), MD BUTTON	
38-742-01	BUTTON (PAUSE), 33 (765L)	
38-741-01	BUTTON (FF), 33 (765L)	
38-740-01	BUTTON (REW), 33 (765L)	
38-739-01	BUTTON (PLAY), 33 (765L)	
38-738-01	BUTTON (REC), 33 (765L)	
38-770-01	BUTTON (REC), 45 (755L)	
38-743-01	BUTTON (STOP/EJECT), 33 (765L)	
38-773-01	BUTTON (STOP/EJECT), 45 (755L)	
38-737-01	BUTTON (DIR), 33 (765L)	
38-750-01	BUTTON (PAUSE), 45	
38-749-01	BUTTON (FF), 45	
38-748-01	BUTTON (REW), 45	
38-747-01	BUTTON (PLAY), 45	

Ref. No.	Part No.	Description	Remark
24	4-938-751-01	BUTTON (HI-SPEED), 45	
25	4-938-746-01	BUTTON (STOP/EJECT-A), 45	
26	4-938-723-01	SHAFT (A), MD BUTTON	
27	4-938-721-01	RETAINER (A), BUTTON	
28	* A-3261-740-A	MAIN BOARD, COMPLETE (755L:IT)	
28	* A-3261-744-A	MAIN BOARD, COMPLETE (755L:AEP)	
28	* A-3261-746-A	MAIN BOARD, COMPLETE (755L:UK)	
28	* A-3261-761-A	MAIN BOARD, COMPLETE (755L:G)	
28	* A-3275-131-A	MAIN BOARD, COMPLETE (765L:UK)	
28	* A-3275-132-A	MAIN BOARD, COMPLETE (765L:IT)	
28	* A-3275-139-A	MAIN BOARD, COMPLETE (765L:AEP)	
29	* 4-938-752-01	BRACKET, REC ARM (765L)	
30	4-938-722-01	RETAINER (B), BUTTON	
32	4-938-745-01	ARM (33), REC (765L)	
32	4-938-772-01	ARM (45), REC (755L)	
35	4-938-744-01	LEVER (DIR) (765L)	
36	* 4-938-771-01	BRACKET (33), MD (765L)	
36	* 4-938-784-01	BRACKET (45), MD (755L)	
38	4-931-757-41	SCREW (DIA.2.6X10) (IT3B)	
40	4-938-718-01	BUTTON (SPACE SOUND)	
41	4-938-716-01	LEVER (FUNCTION)	
42	4-938-717-01	BUTTON (POWER)	
43	3-325-679-71	SCREW, TAPPING +BV 3X12	
44	4-918-246-01	SCREW (3X70), + BVTP	
45	3-322-316-01	BRACKET, REC LEVER	
46	3-322-317-01	LEVER, REC	
47	9-911-863-XX	PAPER (CD MAIN), SHIELD	
49	* A-3275-128-A	TU CONTROL BOARD, COMPLETE (755L)	
49	* A-3275-140-A	TU CONTROL BOARD, COMPLETE (765L)	
S604	1-572-394-11	SWITCH, LEAF (765L)	

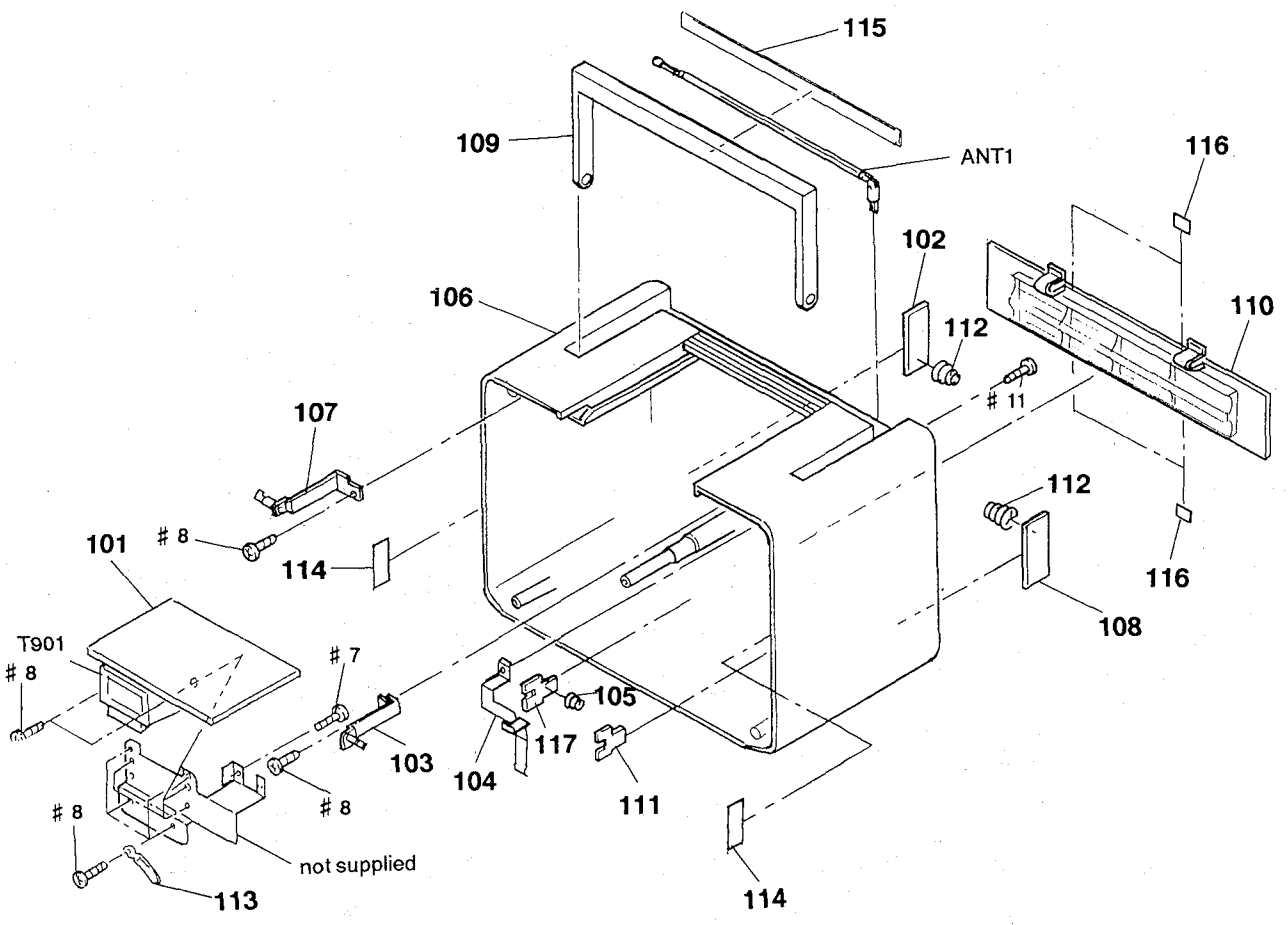
7-2. CD BLOCK ASSY SECTION



Ref. No.	Part No.	Description	Remark
51	3-351-377-11	DAMPER	
53	4-938-709-01	BUTTON, CD EJECT	
54	4-938-774-01	CABINET (UPPER)	
55	* A-3275-126-A	CD CONTROL BOARD, COMPLETE (755L)	
55	* A-3275-138-A	CD CONTROL BOARD, COMPLETE (765L)	
57	9-911-863-XX	PAPER (CD MAIN), SHIELD	
59	3-704-435-01	PLATE (M), CHUCK	
60	4-931-757-71	SCREW (DIA.2.6X6) (IT3B)	
61	4-938-708-01	HOLDER, CHUCKING	
62	1-452-531-11	MAGNET	
63	X-3363-760-1	LID ASSY -45, CD	
64	* A-3261-742-A	CD MAIN BOARD, COMPLETE (755L)	
64	* A-3261-757-A	CD MAIN BOARD, COMPLETE (765L)	

Ref. No.	Part No.	Description	Remark
65	* 4-928-936-01	COVER, CD	
66	4-922-858-01	DAMPER (BROWN)	
67	4-931-373-01	SCREW, CD FITTING	
68	4-922-858-11	DAMPER (BLUE)	
69	4-938-732-01	SPRING (CD), UP	
70	* 4-930-246-11	PAPER (CD MAIN) SHIELD	
71	* 1-639-243-11	CD MOTOR BOARD	
72	3-362-512-01	SPRING, TENSION	
73	3-363-573-01	WASHER	
74	3-343-396-01	SPACER	

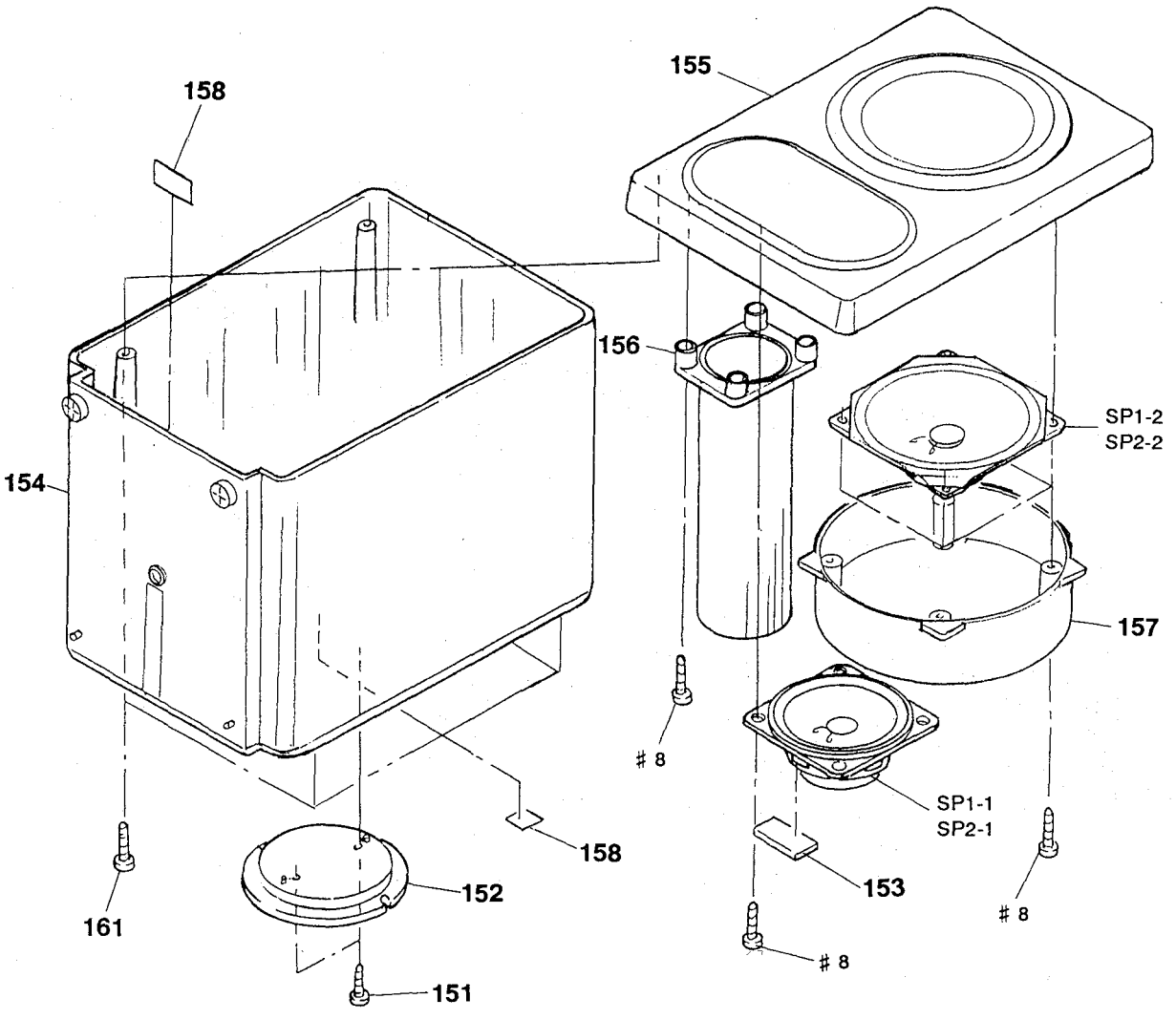
7-3. REAR CABINET SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
101	* 1-635-272-11	POWER BOARD	
102	* 1-635-270-11	BATTERY (C) BOARD	
103	* X-4938-711-1	BRACKET (R) ASSY, HANDLE	
104	* 4-938-769-01	TERMINAL BOARD (A), ANT	
105	4-938-731-01	SPRING (B) BATTERY	
106	3-368-124-31	CABINET (REAR) (EXCEPT AEP)	
106	3-368-124-61	CABINET (REAR) (AEP)	
107	* X-4938-710-1	BRACKET (L) ASSY, HANDLE	
108	* 1-635-271-11	BATTERY (D) BOARD	
109	3-368-127-01	HANDLE	
110	4-938-711-01	LID, BATTERY CASE	
111	* 1-635-269-11	BATTERY (B) BOARD	
112	4-938-730-01	SPRING (A) BATTERY	
113	3-703-150-11	STOPPER, WIRING	
114	3-831-441-XX	CUSHION	
115	* 3-362-352-02	PLATE, BLIND, HAND	
116	9-911-837-XX	CUSHION	
117	* 1-635-268-11	BATTERY (A) BOARD	
ANT1	1-501-480-11	ANTENNA, TELESCOPIC	
T901	⚠ 1-450-467-11	TRANSFORMER, POWER (EXCEPT 755L:UK)	
T901	⚠ 1-450-468-11	TRANSFORMER, POWER (755L:UK)	

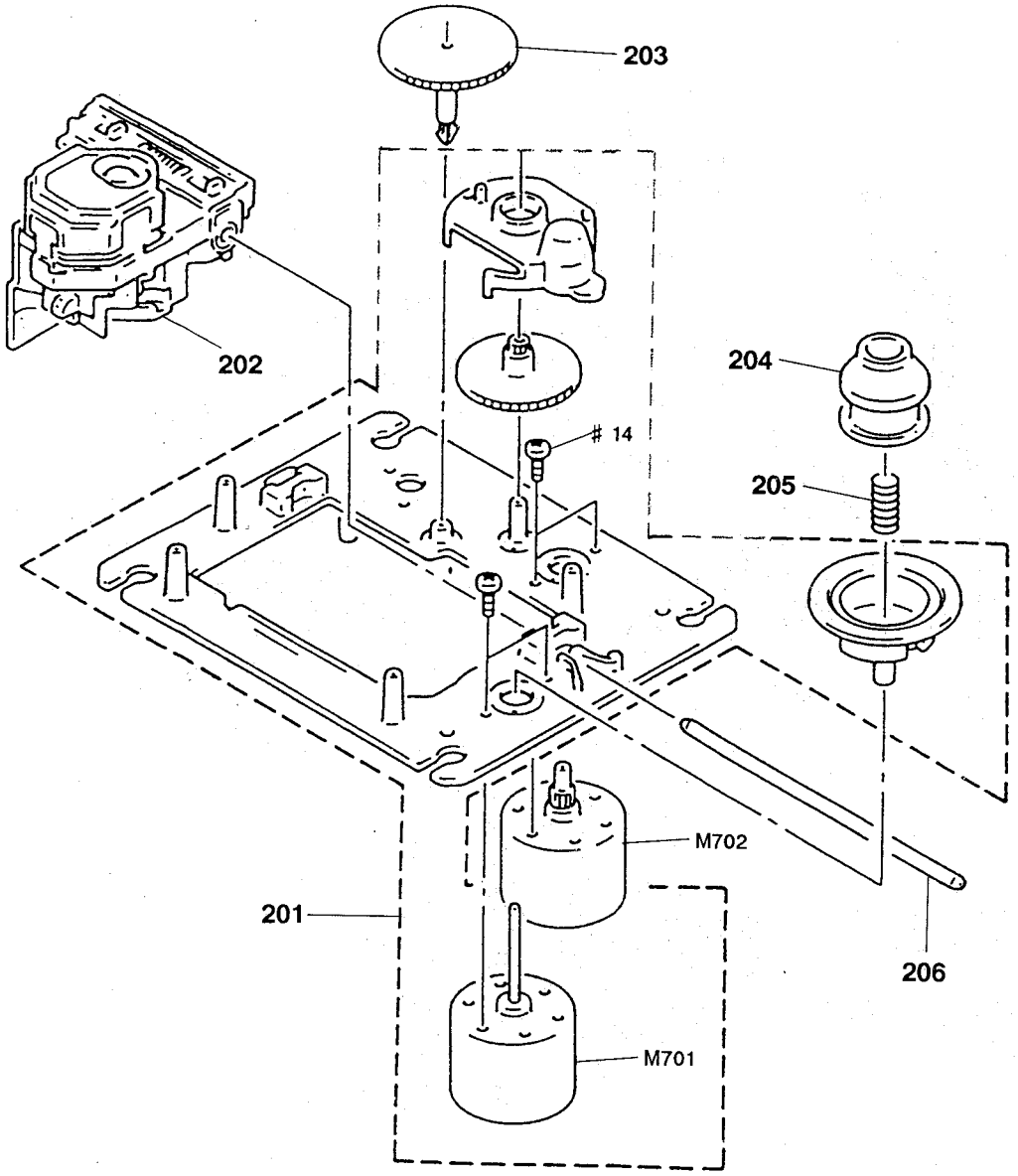
7-4. SPEAKER BOX SECTION



Ref. No.	Part No.	Description	Remark
151	3-325-679-71	SCREW, TAPPING +BV 3X12	
152	4-938-755-01	REEL, SP	
153	* 1-635-723-11	SP TERMINAL (R) BOARD	
153	* 1-635-724-11	SP TERMINAL (L) BOARD	
154	4-937-661-11	BOX (REAR) (R), SP (R channel)	
154	4-937-662-11	BOX (REAR) (L), SP (L channel)	
155	X-3362-963-1	SP (FRONT) (R) ASSY (R channel)	
155	X-3362-964-1	SP (FRONT) (L) ASSY (L channel)	

Ref. No.	Part No.	Description	Remark
156	* 4-938-705-01	DUCT, SP	
157	* 4-938-706-01	COVER, SP	
158	3-831-441-XX	CUSHION	
161	3-325-679-31	SCREW, TAPPING +BV 3X14	
SP1-1	1-503-867-21	SPEAKER	
SP1-2	1-544-345-11	SPEAKER	
SP2-1	1-503-867-21	SPEAKER	
SP2-2	1-544-345-11	SPEAKER	

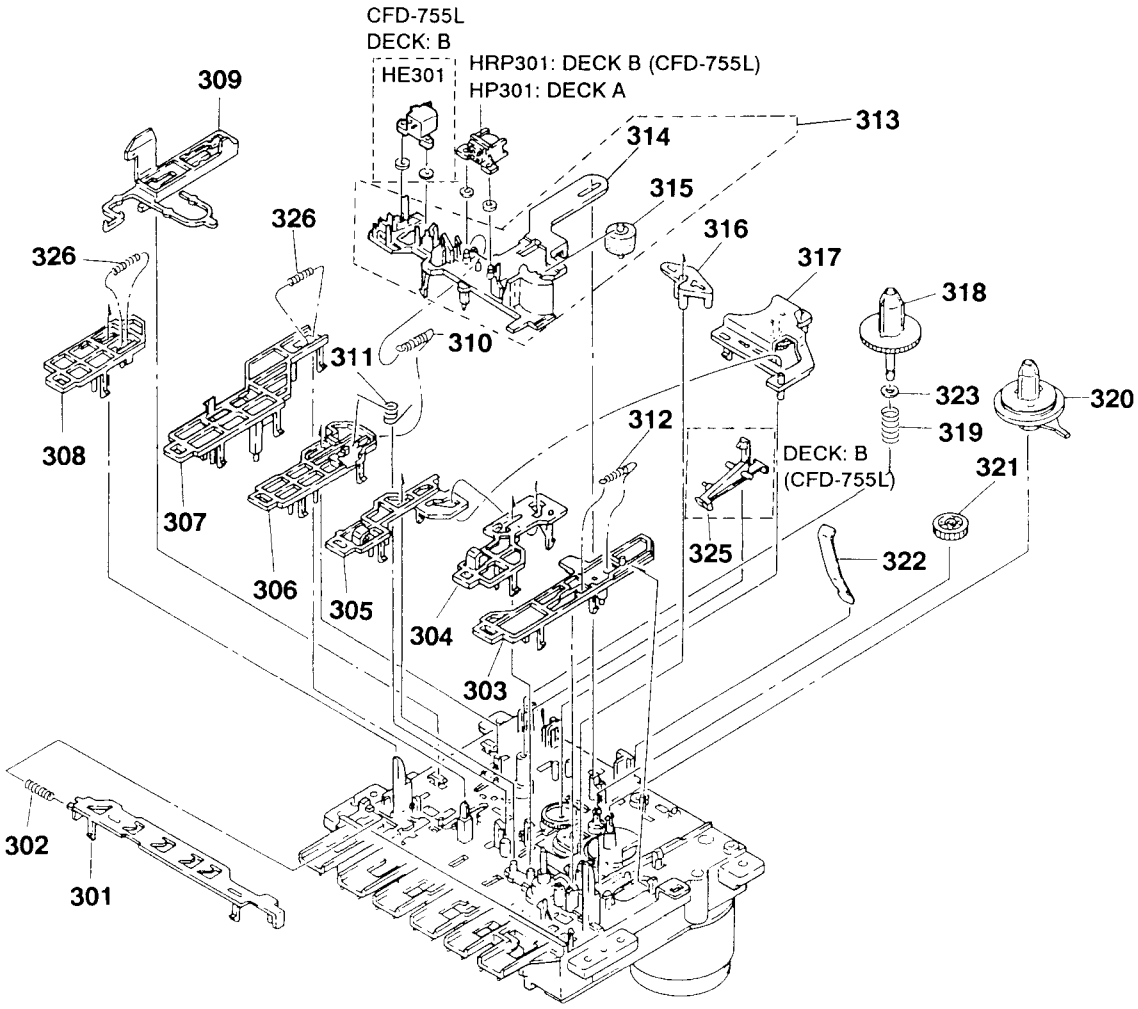
7-5. OPTICAL PICK-UP SECTION (KSM-2101BAN)



Ref. No.	Part No.	Description	Remark
201	* X-2625-133-1	CHASSIS ASSY (MB), T.T	
202	⚠ 8-848-137-11	DEVICE, OPTICAL (KSS-210B) (RP)	
203	2-625-188-02	GEAR (A)	
204	2-625-186-01	RING (C), CENTER	
205	2-625-191-01	SPRING, COMPRESSION	
206	4-917-565-01	SHAFT, SLED	
M702	X-2625-132-1	GEAR ASSY (MB), MOTOR	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

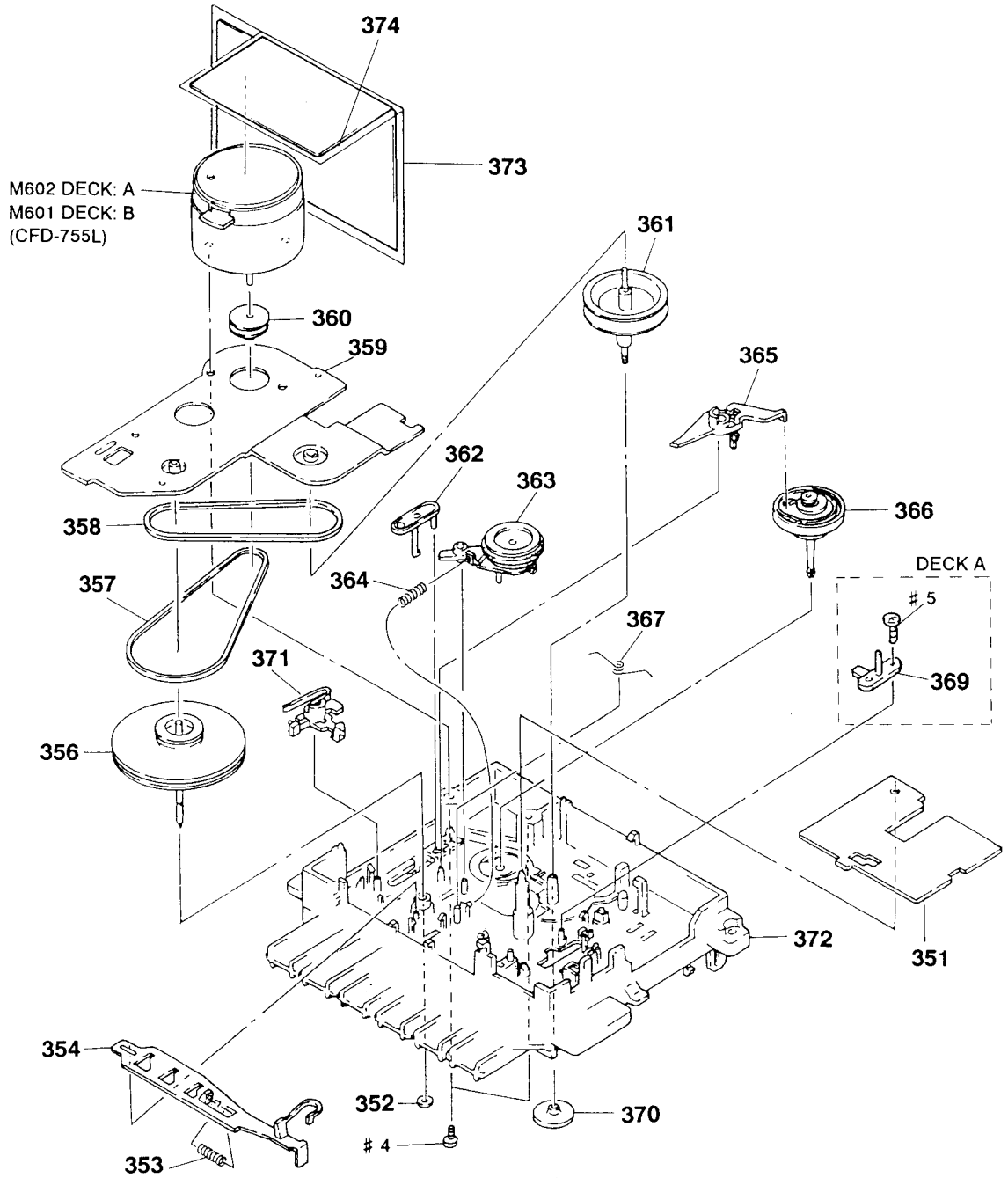
7-6. MECHANISM SECTION (1)
DECK A: MF-D750PB-64
DECK B: MF-D750RP-64 (CFD-755L)



Ref. No.	Part No.	Description	Remark
301	4-932-695-01	SLIDER (FR), LOCK	
302	4-932-656-01	SPRING, COMPRESSION	
303	4-928-994-01	LEVER, PAUSE	
304	4-928-993-01	LEVER, FF	
305	4-928-992-01	LEVER, REW	
306	4-928-991-01	LEVER, PLAY	
307	4-921-195-01	LEVER (AC), REC	
308	4-928-985-01	LEVER, STOP	
309	4-936-206-01	SLIDER (S), EJECT	
310	4-928-972-01	SPRING, TENSION	
311	4-928-973-01	SPRING	
312	3-313-372-01	SPRING, TENSION	
313	X-4920-345-1	BASE (S) ASSY, HEAD (DECK A)	
314	4-921-196-01	DECK (AC), HEAD (755L:DECK B)	
314	4-928-998-01	DECK (S), HEAD (DECK A)	

Ref. No.	Part No.	Description	Remark
315	4-928-962-01	PINCH ROLLER	
316	4-928-982-01	LEVER (C)	
317	X-4920-347-1	LEVER (S) ASSY, FR	
318	4-928-978-01	GEAR (C), SUPPLY REEL	
319	3-343-381-01	SPRING, COMPRESSION	
320	X-4920-350-1	GEAR (S) ASSY, T REEL	
321	3-343-285-01	GEAR, FF	
322	4-928-957-01	RETAINER, CASSETTE	
323	4-931-795-11	WASHER	
325	4-928-960-02	CLAW SAFETY (755L:DECK B)	
326	4-932-648-01	SPRING, COMPRESSION	
HE301	1-543-535-11	HEAD, MAGNETIC (ERASE) (755L:DECK B)	
HP301	1-543-714-11	HEAD, MAGNETIC (PB) (DECK A)	
HRP301	1-543-714-11	HEAD, MAGNETIC (REC/PB) (755L:DECK B)	

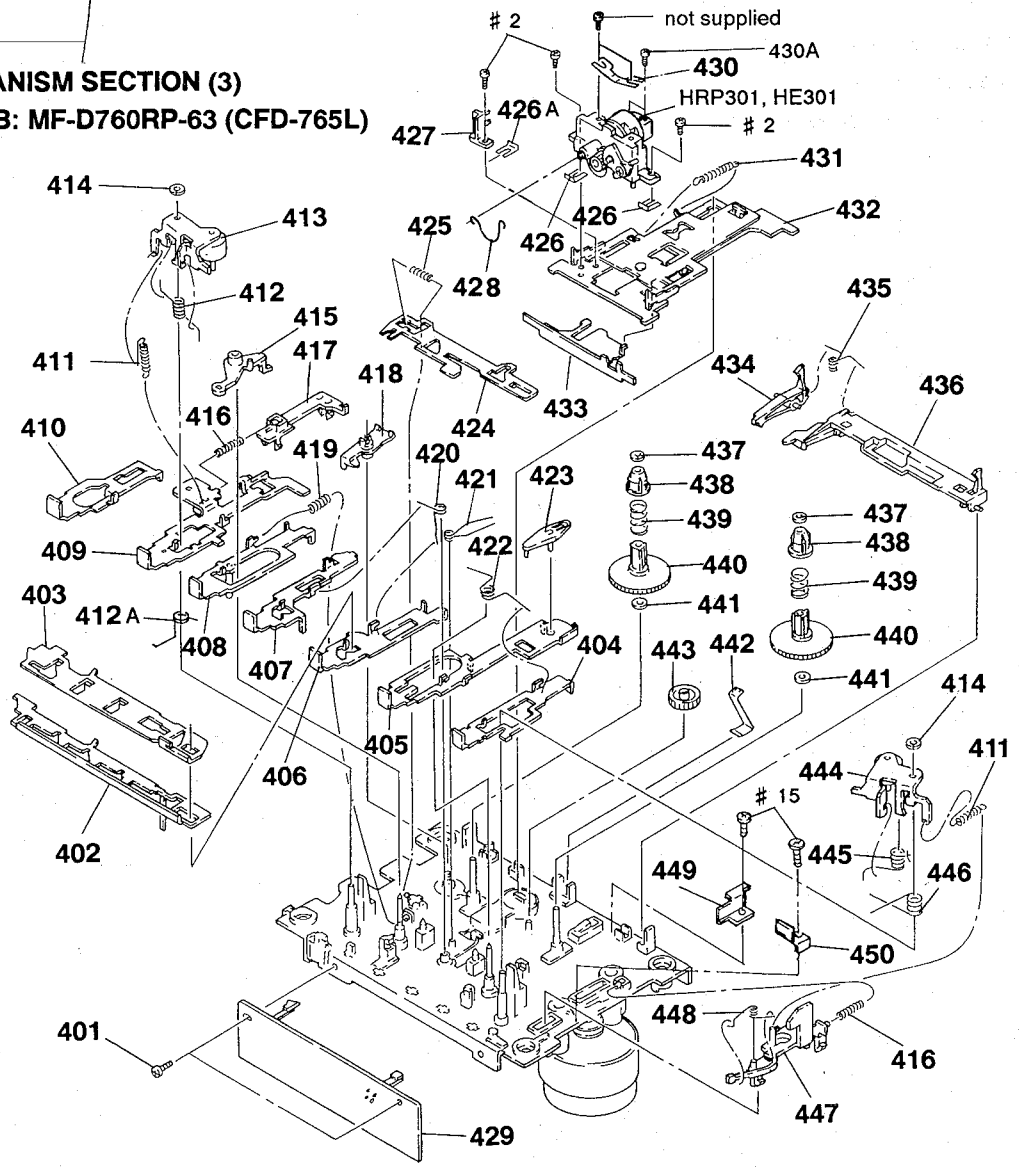
7-7. MECHANISM SECTION (2)
DECK A: MF-D750PB-64
DECK B: MF-D750RP-64 (CFD-755L)



Ref. No.	Part No.	Description	Remark
351	* 1-635-711-11	MD LEAF SW (A) BOARD (DECK A)	
351	* 1-635-712-12	MD LEAF SW (B) BOARD (755L:DECK B)	
352	3-343-358-01	RING, RETAINING	
353	4-932-656-01	SPRING, COMPRESSION	
354	4-928-996-01	LEVER, SW	
356	X-4920-349-1	WHEEL (S) ASSY, CAPSTAN	
357	3-453-112-00	BELT (CAPSTAN)	
358	4-928-974-01	BELT (MIDWAY)	
359	* X-4918-598-1	PLATE ASSY, GROUND	
360	X-3326-704-1	PULLEY (H), MOTOR	
361	X-4918-580-1	PULLEY ASSY, FR	
362	4-928-961-01	PLATE, PAUSE LOCK	

Ref. No.	Part No.	Description	Remark
363	X-4920-346-1	LEVER (S) ASSY, IDLER	
364	4-932-655-01	SPRING, COMPRESSION	
365	4-928-986-01	LEVER (S), SHUT-OFF	
366	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
367	4-928-958-01	SPRING, FR RETURN	
369	4-928-976-01	LEVER, SW (DECK A)	
370	4-928-967-01	GEAR (C), MIDWAY	
371	4-928-987-01	LEVER (T), SHUT-OFF	
372	* X-4920-348-1	CHASSIS ASSY, MECHANICAL	
373	3-366-138-01	PLATE (M.A), PROTECTION	
374	3-366-137-01	PLATE (M.B), PROTECTION	
M601	1-541-753-11	MOTOR, DC (EG-530KD-2B) (755L:DECK B)	
M602	1-541-753-11	MOTOR, DC (EG-530KD-2B) (DECK A)	

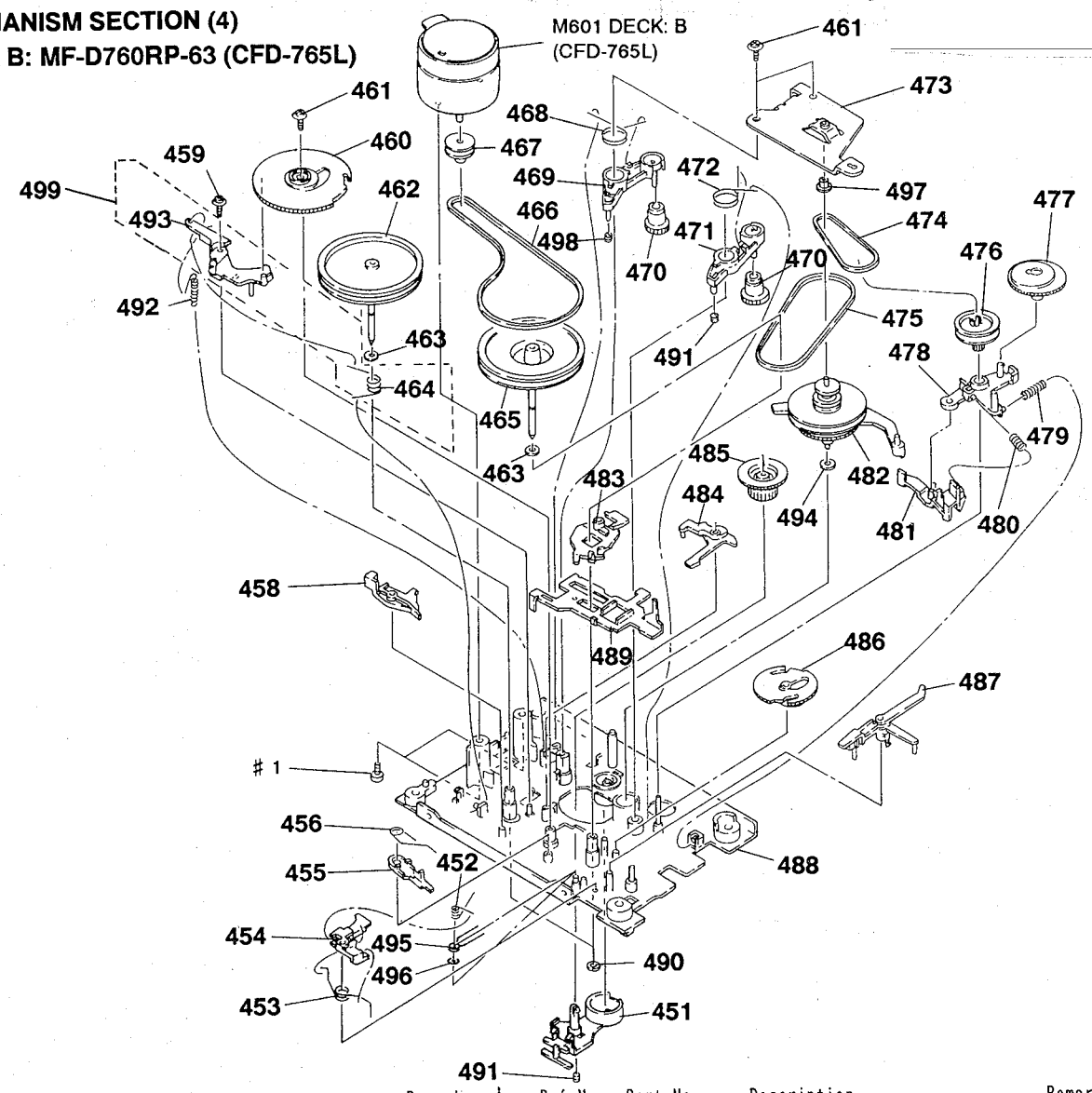
7-8. MECHANISM SECTION (3)
DECK B: MF-D760RP-63 (CFD-765L)



Ref. No.	Part No.	Description	Remark
401	3-363-433-02	SCREW	
402	* 4-930-461-01	LEVER, SW	
403	* 4-930-460-01	PLATE (AWS), LOCK	
404	* 4-930-455-11	LEVER, STOP	
405	* 4-930-458-11	LEVER, PAUSE	
406	* 4-930-482-11	LEVER (A), FF	
407	* 4-930-454-11	LEVER (A), REW	
408	* 4-930-456-11	LEVER, DIRECTION	
409	* 4-930-459-11	LEVER, REC	
410	* X-4918-591-1	LEVER ASSY, FWD	
411	4-930-450-01	SPRING, TENSION	
412	4-930-434-01	SPRING (R)	
412A	4-931-770-01	SPRING	
413	X-4918-589-1	PINCH ARM (R) ASSY	
414	4-932-626-11	RING, RETAINING	
415	4-930-417-01	LEVER, RELEASE, LOCK PLATE	
416	3-344-751-01	SPRING, COMPRESSION	
417	4-930-464-01	LEVER, DETECTION	
418	4-930-467-01	LEVER, CLAW DETECTION	
419	4-930-433-01	SPRING, COMPRESSION	
420	4-930-429-01	SPRING	
421	4-930-423-01	SPRING	
422	4-930-437-01	SPRING	
423	4-930-416-01	PLATE, LOCK, PAUSE	
424	* 4-930-457-01	LEVER, FR	
425	3-344-726-01	SPRING, COMPRESSION	
426	3-336-274-01	SHIM (0.1)	
426	3-336-274-11	SHIM (0.2)	
426	3-336-274-21	SHIM (0.3)	
426A	4-932-603-01	SHIM (0.1)	
426A	4-932-603-11	SHIM (0.2)	

Ref. No.	Part No.	Description	Remark
427	4-930-438-01	GUIDE, TAPE	
428	3-344-049-01	SPRING	
429	* 1-630-400-21	MD BOARD (765L:DECK B)	
430	4-930-440-01	SPRING	
430A	4-920-347-01	SCREW HEAD	
431	4-932-696-01	SPRING, TENSION	
432	* X-4918-595-1	BASE ASSY, HEAD	
433	* 4-930-471-01	SLIDER, HD SELECTION	
434	4-930-481-01	CLAW (A), ERASING PROTECTION	
435	4-930-451-01	SPRING	
436	4-930-480-01	CLAW (B), ERASING PROTECTION	
437	3-701-437-01	WASHER	
438	4-930-408-01	CLAW, REEL	
439	4-931-747-01	SPRING, COMPRESSION	
440	4-930-407-01	TABLE, REEL	
441	4-932-605-11	WASHER	
442	4-930-422-01	RETAINER, CASSETTE	
443	4-930-409-01	GEAR, MIDWAY	
444	X-4918-590-1	PINCH ARM (F) ASSY	
445	4-930-435-01	SPRING (F)	
446	4-930-428-01	SPRING	
447	4-930-463-01	LEVER (B), EJECT	
448	4-930-453-01	SPRING	
449	* 4-932-661-01	PLATE, FIXED	
450	* 4-932-606-01	RETAINER (33)	
HE301	A-3114-095-A	HEAD ASSY, ROTARY (765L:DECK B)	
HRP301	A-3114-095-A	HEAD ASSY, ROTARY (765L:DECK B)	

7-9. MECHANISM SECTION (4)
DECK B: MF-D760RP-63 (CFD-765L)



Ref. No.	Part No.	Description	Remark
451	4-930-466-01	ARM, FWD	
452	4-932-645-01	SPRING (B)	
453	4-930-448-01	SPRING	
454	4-930-469-01	LEVER (A), DIRECTION	
455	4-930-465-01	LEVER, FWD LOCK	
456	4-931-748-01	SPRING	
458	4-930-415-01	LEVER, CR	
459	3-344-737-11	SCREW (B1.4X6), TAPPING	
460	4-930-476-01	GEAR, SET-UP	
461	3-344-729-01	SCREW (B2), TAPPING, WASHER HEAD	
462	X-4919-974-1	FLYWHEEL (F) ASSY	
463	3-701-437-81	WASHER	
464	3-344-081-01	SPRING	
465	X-4919-975-1	FLYWHEEL (R) ASSY	
466	3-337-704-01	BELT	
467	X-3344-021-1	PULLEY (W), MOTOR	
468	4-930-419-01	SPRING	
469	4-930-413-01	LEVER (B), FF	
470	4-930-411-01	GEAR (B), FR	
471	4-930-412-01	LEVER (B), REW	
472	4-930-420-01	SPRING	
473	* 4-930-969-01	BEARING, FR LIMITER	
474	3-306-816-00	BELT	
475	3-139-109-00	BELT	

Ref. No.	Part No.	Description	Remark
476	3-344-098-01	GEAR, S	
477	4-930-475-01	GEAR, S CAM	
478	4-930-474-01	LEVER, SHUT-OFF DETECTION	
479	3-344-751-01	SPRING, COMPRESSION	
480	3-344-060-01	SPRING, COMPRESSION	
481	4-930-468-01	LEVER, SHUT-OFF	
482	X-4918-586-1	LIMITER ASSY, FR	
483	4-930-470-01	LEVER (B), DIRECTION	
484	4-930-414-01	LEVER (B), PAUSE	
485	4-930-410-01	GEAR (B), FWD	
486	4-930-479-01	GEAR, D	
487	3-344-041-01	LEVER, MODE SELECTION	
488	X-4920-368-1	CHASSIS ASSY, MECHANICAL	
489	* 4-930-485-01	SLIDER, D	
490	3-343-358-12	RING, RETAINING	
491	4-931-752-11	SPACER	
492	4-931-765-01	SPRING, TENSION	
493	3-344-094-01	LEVER (B), FWD LIMITER	
494	3-701-437-01	WASHER	
495	4-931-764-01	SPRING	
496	* 4-920-369-01	RETAINER, THRUST	
497	3-322-566-01	BEARING, PULLEY	
498	* 4-936-243-01	SPACER (FF)	
499	X-4920-333-1	LEVER (B) ASSY, FWD LIMITER	
M601	1-541-754-11	MOTOR, DC (EG-530KD-2F) (765L:DECK B)	

BATTERY (A) BATTERY (B) BATTERY (C)

BATTERY (D) CD CONTROL

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- Items marked "＊" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH

Ref. No.	Part No.	Description			Remark
＊	1-635-268-11	BATTERY (A) BOARD			
		**********			
	4-938-731-01	SPRING (B), BATTERY			
**********					
＊	1-635-269-11	BATTERY (B) BOARD			
		**********			
**********					
＊	1-635-270-11	BATTERY (C) BOARD			
		**********			
	4-938-730-01	SPRING (A), BATTERY			
**********					
＊	1-635-271-11	BATTERY (D) BOARD			
		**********			
	4-938-730-01	SPRING (A), BATTERY			
**********					
＊	A-3275-126-A	CD CONTROL BOARD, COMPLETE (755L)			
＊	A-3275-138-A	CD CONTROL BOARD, COMPLETE (765L)			
		**********			
	1-519-676-11	ELEMENT, EL LUMINOUS			
		< CAPACITOR >			
C801	1-124-927-11	ELECT	4.7uF	20%	100V
C802	1-161-494-00	CERAMIC	0.022uF		25V
C803	1-161-494-11	CERAMIC	0.022uF		25V
C804	1-162-207-31	CERAMIC	22PF	5%	50V
C805	1-162-207-31	CERAMIC	22PF	5%	50V

Ref. No.	Part No.	Description			Remark
		< FILTER >			
CF801	1-567-818-21	VIBRATOR, CERAMIC			
		< CONNECTOR >			
CN802	＊ 1-566-968-11	HOUSING, CONNECTOR (PC BOARD) 6P			
CN803	＊ 1-566-970-11	HOUSING, CONNECTOR (PC BOARD) 8P			
CN804	＊ 1-565-980-11	HOUSING, CONNECTOR (PC BOARD) 9P			
		< DIODE >			
D801	8-719-911-19	DIODE 1SS119			
D802	8-719-911-19	DIODE 1SS119			
D803	8-719-911-19	DIODE 1SS119			
D807	8-719-911-19	DIODE 1SS119			
D808	8-719-911-19	DIODE 1SS119			
		< IC >			
IC801	8-752-819-99	IC CXP5078-065Q			
IC803	8-759-970-47	IC PST529J			
		< LCD >			
LCD801	1-808-822-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< TRANSISTOR >			
Q801	8-729-900-63	TRANSISTOR DTA124ES			
Q805	8-729-173-38	TRANSISTOR 2SA733-K			
		< RESISTOR >			
R801	1-249-425-11	CARBON	4.7K	5%	1/4W
R802	1-249-425-11	CARBON	4.7K	5%	1/4W
R803	1-249-426-11	CARBON	5.6K	5%	1/4W
R804	1-249-425-11	CARBON	4.7K	5%	1/4W
R805	1-249-425-11	CARBON	4.7K	5%	1/4W

Ref. No.	Part No.	Description				Remark
R806	1-249-425-11	CARBON	4.7K	5%	1/4W	
R807	1-249-405-11	CARBON	100	5%	1/4W	
R809	1-247-883-00	CARBON	150K	5%	1/4W	
R810	1-247-883-00	CARBON	150K	5%	1/4W	
R811	1-247-883-00	CARBON	150K	5%	1/4W	
R812	1-247-883-00	CARBON	150K	5%	1/4W	
R813	1-247-883-00	CARBON	150K	5%	1/4W	
R815	1-249-433-11	CARBON	22K	5%	1/4W	
R816	1-249-418-11	CARBON	1.2K	5%	1/4W	
R817	1-249-420-11	CARBON	1.8K	5%	1/4W	
R820	1-249-418-11	CARBON	1.2K	5%	1/4W	
R821	1-249-420-11	CARBON	1.8K	5%	1/4W	
R822	1-249-423-11	CARBON	3.3K	5%	1/4W	
R823	1-249-428-11	CARBON	8.2K	5%	1/4W	
R824	1-249-418-11	CARBON	1.2K	5%	1/4W	
R825	1-249-420-11	CARBON	1.8K	5%	1/4W	
R826	1-249-423-11	CARBON	3.3K	5%	1/4W	
R827	1-249-428-11	CARBON	8.2K	5%	1/4W	
R828	1-249-418-11	CARBON	1.2K	5%	1/4W	
R829	1-249-420-11	CARBON	1.8K	5%	1/4W	
R830	1-249-423-11	CARBON	3.3K	5%	1/4W	
R831	1-249-428-11	CARBON	8.2K	5%	1/4W	
R832	1-249-418-11	CARBON	1.2K	5%	1/4W	
R833	1-249-420-11	CARBON	1.8K	5%	1/4W	
R834	1-249-423-11	CARBON	3.3K	5%	1/4W	
R835	1-249-428-11	CARBON	8.2K	5%	1/4W	
R836	1-249-418-11	CARBON	1.2K	5%	1/4W	
R837	1-249-420-11	CARBON	1.8K	5%	1/4W	
R838	1-249-423-11	CARBON	3.3K	5%	1/4W	
R839	1-249-428-11	CARBON	8.2K	5%	1/4W	
R842	1-247-891-00	CARBON	330K	5%	1/4W	
R845	1-249-429-11	CARBON	10K	5%	1/4W	
R846	1-247-891-00	CARBON	330K	5%	1/4W	
R850	1-247-891-00	CARBON	330K	5%	1/4W	
R851	1-247-891-00	CARBON	330K	5%	1/4W	

< SWITCH >

S803	1-572-199-11	SWITCH, KEYBOARD	(STOP)
S804	1-572-199-11	SWITCH, KEYBOARD	(PAUSE)
S805	1-572-199-11	SWITCH, KEYBOARD	(PLAY)
S806	1-553-856-00	SWITCH, KEYBOARD	(SEND DOWN)
S807	1-572-199-11	SWITCH, KEYBOARD	(SEND UP)
S808	1-553-856-00	SWITCH, KEYBOARD	(INTRO SCAN)
S809	1-553-856-00	SWITCH, KEYBOARD	(PGM CHECK)
S810	1-572-199-11	SWITCH, KEYBOARD	(+10)
S811	1-553-856-00	SWITCH, KEYBOARD	(CLOCK)
S812	1-553-856-00	SWITCH, KEYBOARD	(TIMER)
S813	1-553-856-00	SWITCH, KEYBOARD	(SLEEP)
S814	1-553-856-00	SWITCH, KEYBOARD	(STANDBY)
S815	1-572-199-11	SWITCH, KEYBOARD	(DISPLAY)
S816	1-553-856-00	SWITCH, KEYBOARD	(PGM CLEAR EDIT)
S817	1-553-856-00	SWITCH, KEYBOARD	(AUTO SPACE)
S818	1-553-856-00	SWITCH, KEYBOARD	(REPEAT 1/ALL)
S819	1-572-199-11	SWITCH, KEYBOARD	(PRG/SHUFF)
S820	1-553-856-00	SWITCH, KEYBOARD	(1)
S821	1-553-856-00	SWITCH, KEYBOARD	(2)
S822	1-553-856-00	SWITCH, KEYBOARD	(3)
S823	1-553-856-00	SWITCH, KEYBOARD	(4)
S824	1-572-199-11	SWITCH, KEYBOARD	(5)
S825	1-553-856-00	SWITCH, KEYBOARD	(6)
S826	1-553-856-00	SWITCH, KEYBOARD	(7)
S827	1-553-856-00	SWITCH, KEYBOARD	(8)
S828	1-553-856-00	SWITCH, KEYBOARD	(9)
S829	1-572-199-11	SWITCH, KEYBOARD	(0)

< OSCILLATOR >

XF801	1-567-098-00	OSCILLATOR, CRYSTAL (32.768KHz)

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* A-3261-742-A CD MAIN BOARD, COMPLETE (755L)
* A-3261-757-A CD MAIN BOARD, COMPLETE (765L)
****

* 4-930-246-11 PAPER (N), SHIELD
9-911-863-XX PAPER (CD MAIN), SHIELD

< CAPACITOR >

C700	1-136-173-00	FILM	0.47uF	5%	50V
C701	1-124-443-00	ELECT	100uF	20%	10V
C702	1-124-034-51	ELECT	33uF	20%	16V
C703	1-124-034-51	ELECT	33uF	20%	16V
C704	1-136-165-00	FILM	0.1uF	5%	50V
C705	1-136-165-00	FILM	0.1uF	5%	50V
C706	1-124-907-11	ELECT	10uF	20%	50V
C707	1-124-927-11	ELECT	4.7uF	20%	50V
C708	1-130-489-00	MYLAR	0.033uF	5%	50V
C709	1-123-382-00	ELECT	3.3uF	20%	100V
C710	1-136-165-00	FILM	0.1uF	5%	50V
C711	1-130-493-00	MYLAR	0.068uF	5%	50V
C712	1-124-477-11	ELECT	47uF	20%	25V
C713	1-162-851-11	CERAMIC	0.1uF		16V
C714	1-162-215-31	CERAMIC	47PF	5%	50V
C716	1-130-489-00	MYLAR	0.033uF	5%	50V
C717	1-124-126-00	ELECT	47uF	20%	10V
C718	1-161-379-00	CERAMIC	0.01uF	20%	25V
C719	1-130-489-00	MYLAR	0.033uF	5%	50V

CD MAIN

Ref. No.	Part No.	Description			Remark
C720	1-130-475-00	MYLAR	0.0022uF	5%	50V
C721	1-161-494-00	CERAMIC	0.022uF		25V
C722	1-161-379-00	CERAMIC	0.01uF	20%	25V
C723	1-162-294-31	CERAMIC	0.001uF	10%	50V
C724	1-130-489-00	MYLAR	0.033uF	5%	50V
C725	1-136-165-00	FILM	0.1uF	5%	50V
C726	1-162-294-31	CERAMIC	0.001uF	10%	50V
C727	1-130-491-00	MYLAR	0.047uF	5%	50V
C728	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C729	1-136-173-00	FILM	0.47uF	5%	50V
C730	1-161-379-00	CERAMIC	0.01uF	20%	25V
C731	1-162-206-31	CERAMIC	20PF	5%	50V
C732	1-162-206-31	CERAMIC	20PF	5%	50V
C733	1-124-902-00	ELECT	0.47uF	20%	50V
C734	1-124-907-11	ELECT	10uF	20%	50V
C735	1-124-034-51	ELECT	33uF	20%	16V
C736	1-124-477-11	ELECT	47uF	20%	25V
C737	1-161-375-00	MYLAR	0.0022uF	5%	50V
C745	1-124-034-51	ELECT	33uF	20%	16V
C746	1-124-477-11	ELECT	47uF	20%	25V
C747	1-161-375-00	MYLAR	0.0022uF	5%	50V
C753	1-136-173-00	FILM	0.47uF	5%	50V
C754	1-161-379-00	CERAMIC	0.01uF	20%	25V
C755	1-161-379-00	CERAMIC	0.01uF	20%	25V
C757	1-136-173-00	FILM	0.47uF	5%	50V
C760	1-162-851-11	CERAMIC	0.1uF		16V
C761	1-124-604-00	ELECT	330uF	20%	10V
C762	1-124-473-11	ELECT	1000uF	20%	10V
C770	1-124-477-11	ELECT	47uF	20%	25V
C771	1-161-060-00	CERAMIC	0.056uF	10%	25V
C773	1-161-329-00	CERAMIC	0.0068uF	20%	16V
C774	1-136-161-00	FILM	0.047uF	5%	50V
C776	1-162-294-31	CERAMIC	0.001uF	10%	50V
C777	1-162-294-31	CERAMIC	0.001uF	10%	50V
C779	1-161-379-00	CERAMIC	0.01uF	20%	25V
C791	1-124-471-00	ELECT	1000uF	20%	6.3V
C792	1-124-239-00	ELECT	6.9uF	20%	10V
C793	1-130-489-00	MYLAR	0.033uF	5%	50V
C795	1-124-604-00	ELECT	330uF	20%	10V

< CONNECTOR >

CN701	* 1-564-710-11	PIN, CONNECTOR (SMALL TYPE)	8P
CN702	* 1-564-710-11	PIN, CONNECTOR (SMALL TYPE)	8P
CN703	* 1-506-988-11	PIN, CONNECTOR (PC BOARD)	6P
CN705	* 1-506-996-11	PIN, CONNECTOR (PC BOARD)	14P
CN709	* 1-566-971-11	PIN, CONNECTOR (PC BOARD)	6P
CN710	* 1-566-973-11	PIN, CONNECTOR (PC BOARD)	8P
CN711	* 1-568-454-11	PIN, CONNECTOR (PC BOARD)	9P
CN790	* 1-506-998-21	PIN, CONNECTOR (PC BOARD)	2P
CN791	* 1-506-998-11	PIN, CONNECTOR (PC BOARD)	2P
CN792	* 1-506-998-11	PIN, CONNECTOR (PC BOARD)	2P

< DIODE >

D706	8-719-911-19	DIODE	1SS119
D707	8-719-911-19	DIODE	1SS119

< IC >

IC701	8-752-039-03	IC	CXA1421M
IC702	8-752-050-82	IC	CXA1372Q
IC703	8-752-337-26	IC	CXD2500AQ
IC704	8-759-148-30	IC	uPD6376
IC705	8-759-503-98	IC	SM5840DS
IC706	8-759-518-59	IC	BA6296FP (765L)

< COIL >

L702	1-410-968-21	INDUCTOR	3.3uH
L791	1-410-979-11	INDUCTOR	220uH

< TRANSISTOR >

Q701	8-729-801-84	TRANSISTOR	2SB1013-4
Q702	8-729-900-63	TRANSISTOR	DTA124ES
Q703	1-807-872-11	TRANSISTOR	KSR1010
Q704	1-807-880-11	TRANSISTOR	KSR2006
Q705	8-729-202-56	TRANSISTOR	2SA950-Y
Q731	8-729-905-50	TRANSISTOR	DTC343TS
Q741	8-729-905-50	TRANSISTOR	DTC343TS
Q791	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q804	1-807-865-11	TRANSISTOR	KSR1003

< RESISTOR >

R700	1-247-806-11	CARBON	91	5%	1/4W
R701	1-249-397-11	CARBON	22	5%	1/4W
R702	1-249-433-11	CARBON	22K	5%	1/4W
R705	1-249-441-11	CARBON	100K	5%	1/4W
R706	1-249-438-11	CARBON	56K	5%	1/4W
R707	1-247-885-00	CARBON	180K	5%	1/4W
R708	1-247-854-11	CARBON	9.1K	5%	1/4W
R709	1-249-437-11	CARBON	47K	5%	1/4W
R710	1-249-417-11	CARBON	1K	5%	1/4W
R711	1-247-894-11	CARBON	430K	5%	1/4W
R712	1-247-881-00	CARBON	120K	5%	1/4W
R713	1-249-429-11	CARBON	10K	5%	1/4W
R714	1-249-417-11	CARBON	1K	5%	1/4W
R715	1-247-887-00	CARBON	220K	5%	1/4W
R716	1-249-429-11	CARBON	10K	5%	1/4W

Ref. No.	Part No.	Description				Remark
R717	1-247-838-00	CARBON	2K	5%	1/4W	
R718	1-247-881-00	CARBON	120K	5%	1/4W	
R719	1-247-838-00	CARBON	2K	5%	1/4W	
R720	1-247-856-00	CARBON	11K	5%	1/4W	
R721	1-249-441-11	CARBON	100K	5%	1/4W	
R722	1-249-441-11	CARBON	100K	5%	1/4W	
R723	1-249-441-11	CARBON	100K	5%	1/4W	
R724	1-249-417-11	CARBON	1K	5%	1/4W	
R725	1-249-433-11	CARBON	22K	5%	1/4W	
R726	1-249-417-11	CARBON	1K	5%	1/4W	
R727	1-249-441-11	CARBON	100K	5%	1/4W	
R729	1-249-417-11	CARBON	1K	5%	1/4W	
R730	1-249-417-11	CARBON	1K	5%	1/4W	
R731	1-249-417-11	CARBON	1K	5%	1/4W	
R737	1-247-887-00	CARBON	220K	5%	1/4W	
R741	1-249-417-11	CARBON	1K	5%	1/4W	
R761	1-249-435-11	CARBON	33K	5%	1/4W	
R762	1-247-432-11	CARBON	18K	5%	1/4W	
R763	1-249-429-11	CARBON	10K	5%	1/4W	
R764	1-249-435-11	CARBON	33K	5%	1/4W	
R765	1-247-848-11	CARBON	5.1K	5%	1/4W	(765L)
R766	1-249-437-11	CARBON	47K	5%	1/4W	
R769	1-249-395-11	CARBON	15	5%	1/4W	
R770	1-249-417-11	CARBON	1K	5%	1/4W	
R778	1-247-887-00	CARBON	220K	5%	1/4W	
R791	1-249-428-11	CARBON	8.2K	5%	1/4W	
R792	1-249-404-00	CARBON	82	5%	1/4W	
R846	1-249-429-11	CARBON	10K	5%	1/4W	
		< VARIABLE RESISTOR >				
RV701	1-241-040-21	RES, ADJ, CARBON 22K (E-F BALANCE)				
RV702	1-237-288-11	RES, ADJ, CARBON 47K (FOCUS BIAS)				
RV703	1-241-040-21	RES, ADJ, CARBON 22K (FOCUS GAIN)				
RV704	1-241-040-21	RES, ADJ, CARBON 22K (TRK-GAIN)				
		< SWITCH >				
S801	1-570-822-21	SWITCH, LEAF (OPEN/CLOSE)				
		< TRANSFORMER >				
T791	1-450-562-11	TRANSFOMER, INVERTER				
		< VIBRATOR >				
XF701	1-567-908-11	VIBRATOR, CRYSTAL (16.9344MHz)				

Ref. No.	Part No.	Description				Remark
	* 1-639-243-11	CD MOTOR BOARD (765L)				
		**********				
		< CONNECTOR >				
CN717	* 1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P				
		< SWITCH >				
S802	1-570-822-21	SWITCH, LEAF				

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	* A-3261-740-A	MAIN BOARD, COMPLETE (755L:IT)				
	* A-3261-744-A	MAIN BOARD, COMPLETE (755L:AEP)				
	* A-3261-746-A	MAIN BOARD, COMPLETE (755L:UK)				
	* A-3261-761-A	MAIN BOARD, COMPLETE (755L:G)				
	* A-3275-131-A	MAIN BOARD, COMPLETE (765L:UK)				
	* A-3275-132-A	MAIN BOARD, COMPLETE (765L:IT)				
	* A-3275-139-A	MAIN BOARD, COMPLETE (765L:AEP)				
		**********				
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3				
		< CAPACITOR >				
C1	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C2	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C3	1-124-472-11	ELECT	470uF	20%	10V	
C4	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C5	1-162-195-31	CERAMIC	4.7PF	10%	50V	
C6	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C7	1-162-205-31	CERAMIC	18PF	5%	50V	
C8	1-162-192-31	CERAMIC	2.7PF	10%	50V	
C9	1-123-382-00	ELECT	3.3uF	20%	100V	
C10	1-124-443-00	ELECT	100uF	20%	10V	
C11	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C12	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C13	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C14	1-124-927-11	ELECT	4.7uF	20%	100V	
C15	1-124-903-11	ELECT	1uF	20%	50V	
C16	1-124-477-11	ELECT	47uF	20%	25V	
C17	1-124-477-11	ELECT	47uF	20%	25V	
C18	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C19	1-124-903-11	ELECT	1uF	20%	50V	
C20	1-124-902-00	ELECT	0.47uF	20%	50V	
C21	1-124-927-11	ELECT	4.7uF	20%	100V	
C22	1-161-050-00	CERAMIC	0.0082uF	10%	25V	
C23	1-161-050-00	CERAMIC	0.0082uF	10%	25V	
C24	1-124-902-00	ELECT	0.47uF	20%	50V	
C25	1-124-902-00	ELECT	0.47uF	20%	50V	

MAIN

Ref. No.	Part No.	Description			Remark
C30	1-161-055-00	CERAMIC	0.022uF	10%	50V
C34	1-162-199-31	CERAMIC	10PF	5%	50V
C35	1-162-851-11	CERAMIC	0.1uF		16V
C36	1-161-055-00	CERAMIC	0.022uF	10%	50V
C38	1-162-851-11	CERAMIC	0.1uF		16V
C41	1-101-059-00	CERAMIC	510PF	5%	50V
C42	1-162-205-31	CERAMIC	18PF	5%	50V
C43	1-162-280-31	CERAMIC	82PF	10%	50V
C44	1-102-980-00	CERAMIC	270PF	5%	50V
C52	1-161-055-00	CERAMIC	0.022uF	10%	50V
C53	1-162-205-31	CERAMIC	18PF	5%	50V
C55	1-136-165-00	FILM	0.1uF	5%	50V
C56	1-162-851-11	CERAMIC	0.1uF		16V
C58	1-161-494-00	CERAMIC	0.022uF		25V
C61	1-161-055-00	CERAMIC	0.022uF	10%	50V
C63	1-161-379-00	CERAMIC	0.01uF	20%	25V
C64	1-162-294-31	CERAMIC	0.001uF	10%	50V
C65	1-161-494-00	CERAMIC	0.022uF		25V
C66	1-161-379-00	CERAMIC	0.01uF	20%	25V
C67	1-161-379-00	CERAMIC	0.01uF	20%	25V
C68	1-161-494-00	CERAMIC	0.022uF		25V
C70	1-161-379-00	CERAMIC	0.01uF	20%	25V
C71	1-161-055-00	CERAMIC	0.022uF	10%	50V
C72	1-161-379-00	CERAMIC	0.01uF	20%	25V
C73	1-161-379-00	CERAMIC	0.01uF	20%	25V
C74	1-124-443-00	ELECT	100uF	20%	10V
C76	1-162-851-11	CERAMIC	0.1uF		16V
C78	1-161-051-00	CERAMIC	0.01uF	10%	50V
C80	1-161-379-00	CERAMIC	0.01uF	20%	25V
C81	1-162-282-31	CERAMIC	100PF	10%	50V
C82	1-161-021-11	CERAMIC	0.047uF	10%	25V
C83	1-162-851-11	CERAMIC	0.1uF		16V
C85	1-161-494-00	CERAMIC	0.022uF		25V
C86	1-162-282-31	CERAMIC	100PF	10%	50V
C87	1-161-021-11	CERAMIC	0.047uF	10%	25V
C88	1-161-379-00	CERAMIC	0.01uF	20%	25V
C89	1-162-215-31	CERAMIC	47PF	5%	50V
C90	1-161-051-00	CERAMIC	0.01uF	10%	50V
C91	1-162-201-31	CERAMIC	12PF	5%	50V
C92	1-162-282-31	CERAMIC	100PF	10%	50V
C93	1-162-286-31	CERAMIC	220PF	10%	50V
C101	1-162-290-31	CERAMIC	470PF	10%	50V
C102	1-162-290-31	CERAMIC	470PF	10%	50V (755L)
C102	1-162-292-31	CERAMIC	680PF	10%	50V (765L)
C103	1-162-290-31	CERAMIC	470PF	10%	50V
C104	1-162-286-31	CERAMIC	220PF	10%	50V
C105	1-124-477-11	ELECT	47uF	20%	25V
C106	1-161-054-00	CERAMIC	0.018uF	10%	25V

Ref. No.	Part No.	Description			Remark
C107	1-124-903-11	ELECT	1uF	20%	50V
C110	1-124-903-11	ELECT	1uF	20%	50V
C111	1-162-293-31	CERAMIC	820PF	10%	50V
C112	1-124-477-11	ELECT	47uF	20%	25V
C113	1-162-294-31	CERAMIC	0.001uF	10%	50V
C114	1-162-292-31	CERAMIC	680PF	10%	50V (755L)
C114	1-162-293-31	CERAMIC	820PF	10%	50V (765L)
C116	1-124-903-11	ELECT	1uF	20%	50V
C117	1-162-282-31	CERAMIC	100PF	10%	50V
C120	1-124-903-11	ELECT	1uF	20%	50V
C121	1-130-483-00	MYLAR	0.01uF	5%	50V
C122	1-130-480-00	MYLAR	0.0056uF	5%	50V
C123	1-130-482-00	MYLAR	0.0082uF	5%	50V
C124	1-130-476-00	MYLAR	0.0027uF	5%	50V
C126	1-161-379-00	CERAMIC	0.01uF	20%	25V
C130	1-162-207-31	CERAMIC	22PF	5%	50V (765L)
C131	1-124-903-11	ELECT	1uF	20%	50V
C140	1-124-903-11	ELECT	1uF	20%	50V
C144	1-162-193-31	CERAMIC	3.3PF	10%	50V
C145	1-124-903-11	ELECT	1uF	20%	50V
C146	1-161-327-00	CERAMIC	0.0033uF	20%	16V
C147	1-124-477-11	ELECT	47uF	20%	25V
C148	1-162-282-31	CERAMIC	100PF	10%	50V
C160	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C161	1-130-491-00	MYLAR	0.047uF	5%	50V
C162	1-124-902-00	ELECT	0.47uF	20%	50V
C163	1-124-477-11	ELECT	47uF	20%	25V
C164	1-124-477-11	ELECT	47uF	20%	25V
C166	1-136-173-00	FILM	0.47uF	5%	50V
C167	1-124-360-00	ELECT	1000uF	20%	16V
C168	1-162-282-31	CERAMIC	100PF	10%	50V
C169	1-162-285-31	CERAMIC	180PF	10%	50V
C170	1-162-285-31	CERAMIC	180PF	10%	50V
C171	1-164-085-11	CERAMIC	0.001uF	10%	50V
C201	1-162-290-31	CERAMIC	470PF	10%	50V
C202	1-162-290-31	CERAMIC	470PF	10%	50V (755L)
C202	1-162-292-31	CERAMIC	680PF	10%	50V (765L)
C203	1-162-290-31	CERAMIC	470PF	10%	50V
C204	1-162-286-31	CERAMIC	220PF	10%	50V
C205	1-124-477-11	ELECT	47uF	20%	25V
C206	1-161-054-00	CERAMIC	0.018uF	10%	25V
C207	1-124-903-11	ELECT	1uF	20%	50V
C210	1-124-903-11	ELECT	1uF	20%	50V
C211	1-162-293-31	CERAMIC	820PF	10%	50V
C212	1-124-477-11	ELECT	47uF	20%	25V
C213	1-162-294-31	CERAMIC	0.001uF	10%	50V

Ref. No.	Part No.	Description			Remark
C214	1-162-292-31	CERAMIC	680PF	10%	50V (755L)
C214	1-162-293-31	CERAMIC	820PF	10%	50V (765L)
C216	1-124-903-11	ELECT	1uF	20%	50V
C217	1-162-282-31	CERAMIC	100PF	10%	50V
C220	1-124-903-11	ELECT	1uF	20%	50V
C221	1-130-483-00	MYLAR	0.01uF	5%	50V
C222	1-130-480-00	MYLAR	0.0056uF	5%	50V
C223	1-130-482-00	MYLAR	0.0082uF	5%	50V
C224	1-130-476-00	MYLAR	0.0027uF	5%	50V
C226	1-161-379-00	CERAMIC	0.01uF	20%	25V
C230	1-162-207-31	CERAMIC	22PF	5%	50V
C231	1-124-903-11	ELECT	1uF	20%	50V
C240	1-124-903-11	ELECT	1uF	20%	50V
C244	1-162-193-31	CERAMIC	3.3PF	10%	50V
C245	1-124-903-11	ELECT	1uF	20%	50V
C246	1-161-327-00	CERAMIC	0.0033uF	20%	16V
C247	1-124-477-11	ELECT	47uF	20%	25V
C248	1-162-282-31	CERAMIC	100PF	10%	50V
C260	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C261	1-130-491-00	MYLAR	0.047uF	5%	50V
C262	1-124-902-00	ELECT	0.47uF	20%	50V
C263	1-124-477-11	ELECT	47uF	20%	25V
C264	1-124-477-11	ELECT	47uF	20%	25V
C266	1-136-173-00	FILM	0.47uF	5%	50V
C267	1-124-360-00	ELECT	1000uF	20%	16V
C268	1-162-282-31	CERAMIC	100PF	10%	50V
C269	1-162-285-31	CERAMIC	180PF	10%	50V
C270	1-162-285-31	CERAMIC	180PF	10%	50V
C271	1-164-085-11	CERAMIC	0.001uF	10%	50V
C301	1-130-471-00	MYLAR	0.001uF	5%	50V
C302	1-130-474-00	MYLAR	0.0018uF	5%	50V (765L)
C302	1-130-475-00	MYLAR	0.0022uF	5%	50V (755L)
C303	1-130-481-00	MYLAR	0.0068uF	5%	50V
C304	1-130-479-00	MYLAR	0.0047uF	5%	50V
C305	1-124-907-11	ELECT	10uF	20%	50V
C306	1-130-483-00	MYLAR	0.01uF	5%	50V
C307	1-130-481-00	MYLAR	0.0068uF	5%	50V
C308	1-124-907-11	ELECT	10uF	20%	50V
C310	1-124-477-11	ELECT	47uF	20%	25V
C311	1-124-477-11	ELECT	47uF	20%	25V
C312	1-124-443-00	ELECT	100uF	20%	10V
C313	1-126-233-11	ELECT	22uF	20%	50V
C320	1-124-927-11	ELECT	4.7uF	20%	100V
C322	1-124-443-00	ELECT	100uF	20%	10V
C323	1-124-927-11	ELECT	4.7uF	20%	100V
C324	1-124-477-11	ELECT	47uF	20%	25V
C330	1-162-294-31	CERAMIC	0.001uF	10%	50V

Ref. No.	Part No.	Description			Remark
C331	1-124-902-00	ELECT	0.47uF	20%	50V
C333	1-126-101-11	ELECT	100uF	20%	16V
C334	1-124-477-11	ELECT	47uF	20%	25V
C341	1-124-477-11	ELECT	47uF	20%	25V
C342	1-124-477-11	ELECT	47uF	20%	25V
C350	1-126-101-11	ELECT	100uF	20%	16V
C351	1-162-294-31	CERAMIC	0.001uF	10%	50V
C352	1-124-636-00	ELECT	3300uF	20%	25V
C360	1-161-021-11	CERAMIC	0.047uF	10%	25V
C361	1-162-219-31	CERAMIC	68PF	5%	50V
C362	1-124-443-00	ELECT	100uF	20%	10V
C363	1-161-379-00	CERAMIC	0.01uF	20%	25V
C364	1-161-379-00	CERAMIC	0.01uF	20%	25V
C365	1-124-477-11	ELECT	47uF	20%	25V
C366	1-124-477-11	ELECT	47uF	20%	25V
C367	1-162-294-31	CERAMIC	0.001uF	10%	50V
C368	1-161-494-00	CERAMIC	0.022uF		25V
C369	1-161-494-00	CERAMIC	0.022uF		25V
C371	1-124-477-11	ELECT	47uF	20%	25V
C372	1-124-443-00	ELECT	100uF	20%	10V
C373	1-124-120-11	ELECT	220uF	20%	25V
C374	1-161-379-00	CERAMIC	0.01uF	20%	25V
C375	1-161-379-00	CERAMIC	0.01uF	20%	25V
C376	1-124-907-11	ELECT	10uF	20%	50V
C377	1-136-171-00	FILM	0.33uF	5%	50V
C378	1-136-171-00	FILM	0.33uF	5%	50V
C381	1-162-294-31	CERAMIC	0.001uF	10%	50V
C382	1-124-443-00	ELECT	100uF	20%	10V
C384	1-136-165-00	FILM	0.1uF	5%	50V
C385	1-161-021-11	CERAMIC	0.047uF	10%	25V
C386	1-162-294-31	CERAMIC	0.001uF	10%	50V
C387	1-162-294-31	CERAMIC	0.001uF	10%	50V
C388	1-130-470-00	MYLAR	820PF	5%	50V (755L)
C389	1-162-294-31	CERAMIC	0.001uF	10%	50V
C601	1-162-282-31	CERAMIC	100PF	10%	50V (765L)
C602	1-162-282-31	CERAMIC	100PF	10%	50V (765L)
C603	1-161-379-00	CERAMIC	0.01uF	20%	25V (765L)
C604	1-161-379-00	CERAMIC	0.01uF	20%	25V (765L)
C605	1-161-379-00	CERAMIC	0.01uF	20%	25V (765L)
C606	1-161-379-00	CERAMIC	0.01uF	20%	25V (765L)
C607	1-161-379-00	CERAMIC	0.01uF	20%	25V (765L)
C608	1-126-176-11	ELECT	220uF	20%	10V (765L)
C609	1-161-379-00	CERAMIC	0.01uF	20%	25V (765L)
C610	1-136-169-00	FILM	0.22uF	5%	50V (765L)
C611	1-162-294-31	CERAMIC	0.001uF	10%	50V (765L)

MAIN

Ref. No.	Part No.	Description	Remark
		< FILTER >	
CF1	1-579-185-21	FILTER, CERAMIC	
CF2	1-579-185-21	FILTER, CERAMIC	
CF3	1-579-185-21	FILTER, CERAMIC	
		< CONNECTOR >	
CN1	4-938-728-01	TERMINAL BOARD (B) ANT 1P	
CN2	1-580-227-11	CONNECTOR, COAXIAL (1P) (AEP)	
CN301	* 1-506-996-11	PIN, CONNECTOR (PC BOARD) 14P	
CN302	* 1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P	
CN303	* 1-566-214-11	PIN, CONNECTOR (PC BOARD) 2P (765L)	
CN304	* 1-566-824-11	PIN, CONNECTOR (PC BOARD) 3P	
CN305	* 1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P	
CN306	* 1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P	
CN307	1-569-748-11	PIN, CONNECTOR (PC BOARD) 5P	
CN308	* 1-565-302-11	PIN, CONNECTOR (PC BOARD) 6P	
CN309	* 1-565-302-11	PIN, CONNECTOR (PC BOARD) 6P	
CN310	* 1-560-456-00	PIN, CONNECTOR 2P	
CN313	1-569-778-11	PLUG, CONNECTOR 6P	
CN314	* 1-569-779-11	PLUG, CONNECTOR 7P	
CN315	* 1-569-155-11	PLUG, CONNECTOR 10P	
CN316	* 1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P	
CN317	* 1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P	
		< ENCAPSULATED COMPONENT >	
CP1	1-236-571-11	ENCAPSULATED COMPONENT	
		< TRIMMER >	
CT1	1-141-410-11	CAP, ADJ 10PF	
CT5	1-141-411-11	CAP, ADJ 20PF	
CT6	1-141-411-11	CAP, ADJ 20PF	
		< DIODE >	
D1	8-719-911-19	DIODE 1SS119	
D3	8-719-911-19	DIODE 1SS119	
D5	8-719-980-65	DIODE SVC203RA-V	
D6	8-719-980-65	DIODE SVC203RA-V	
D10	8-719-911-19	DIODE 1SS119	
D11	8-719-911-19	DIODE 1SS119	
D12	8-719-980-73	DIODE SVC342LM-V	
D18	8-719-911-19	DIODE 1SS119	
D19	8-719-911-19	DIODE 1SS119	
D21	8-719-911-19	DIODE 1SS119	
D22	8-719-911-19	DIODE 1SS119	
D23	8-719-911-19	DIODE 1SS119	
D24	8-719-911-19	DIODE 1SS119	
D26	8-719-980-73	DIODE SVC342LM-V	
D27	8-719-911-19	DIODE 1SS119	

Ref. No.	Part No.	Description	Remark
D28	8-719-911-19	DIODE 1SS119	
D29	8-719-109-97	DIODE RD6.8ES-B2	
D301	8-719-911-19	DIODE 1SS119	
D305	8-719-911-19	DIODE 1SS119	
D306	8-719-911-19	DIODE 1SS119	
D307	8-719-911-19	DIODE 1SS119	
D308	8-719-911-19	DIODE 1SS119	
D310	8-719-911-19	DIODE 1SS119	
D311	8-719-911-19	DIODE 1SS119	
D320	8-719-911-19	DIODE 1SS119	
D321	8-719-911-19	DIODE 1SS119	
D322	8-719-911-19	DIODE 1SS119	
D323	8-719-110-46	DIODE RD16ES-B3	
D324	8-719-109-72	DIODE RD3.9ES-B2	
D325	8-719-911-19	DIODE 1SS119	
D326	8-719-911-19	DIODE 1SS119	
D327	8-719-911-19	DIODE 1SS119	
D328	8-719-110-09	DIODE RD8.2ES-B3	
D328	8-719-110-08	DIODE RD8.2ES-B2	
D330	8-719-109-60	DIODE RD2.7ES-B2	
D331	8-719-911-19	DIODE 1SS119	
D353	8-719-918-76	LED GL-3PR9	
D601	8-719-911-19	DIODE 1SS119 (765L)	
		< FUSE >	
F903	⚠ 1-532-603-21	FUSE, TEMPERATURE 2.5A (EXCEPT UK)	
		< FILTER >	
FL1	1-236-022-11	FILTER, BAND PASS	
FL2	1-236-022-11	FILTER, BAND PASS	
		< IC >	
IC1	8-752-050-20	IC CXA1238S	
IC301	8-759-242-58	IC TA8189N	
IC302	8-759-501-93	IC BA5412	
IC303	8-759-945-58	IC RC4558P	
IC304	8-759-995-62	IC BA3922	
IC305	8-759-510-31	IC MB88201-1022L (765L)	
IC306	8-759-995-76	IC PST529C (765L)	
IC307	8-749-921-24	IC GP-1U52YB (765L)	
IC308	8-759-505-55	IC NJM4558L	
		< JACK >	
J301	1-507-806-00	JACK 1P (PHONES)	
J302	1-563-330-11	JACK (MIX MIC)	
J303	1-536-705-00	TERMINAL BOARD (SPEAKER OUTPUT)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description		Remark
		< COIL >		
L1	1-460-097-11	COIL (WITH CORE)		
L2	1-406-386-11	COIL (OSC)		
L4	1-402-520-11	ANTENNA, FERRITE-ROD (LW/MW) (including L5)		
L7	1-410-975-11	INDUCTOR	47uH	
L11	1-410-686-11	INDUCTOR	1mH	
L12	1-410-686-11	INDUCTOR	1mH	
L13	1-410-975-11	INDUCTOR	47uH	
L101	1-410-776-11	INDUCTOR	12mH	
L102	1-410-776-11	INDUCTOR	12mH	
L201	1-410-776-11	INDUCTOR	12mH	
L202	1-410-776-11	INDUCTOR	12mH	
L301	1-410-336-11	INDUCTOR	220uH	
L302	1-410-686-11	INDUCTOR	1mH	
L304	1-410-509-11	INDUCTOR	10uH	
L305	1-410-521-11	INDUCTOR	100uH	
L601	1-410-521-11	INDUCTOR	100uH (765L)	
L602	1-410-521-11	INDUCTOR	100uH (765L)	
L603	1-410-521-11	INDUCTOR	100uH (765L)	
L604	1-410-521-11	INDUCTOR	100uH (765L)	
L605	1-410-521-11	INDUCTOR	100uH (765L)	
L606	1-410-336-11	INDUCTOR	220uH (765L)	
		< TRANSISTOR >		
Q1	8-729-806-30	TRANSISTOR	2SC4048	
Q2	8-729-806-30	TRANSISTOR	2SC4048	
Q3	8-729-900-74	TRANSISTOR	DTC143TS	
Q4	8-729-900-74	TRANSISTOR	DTC143TS	
Q5	8-729-806-30	TRANSISTOR	2SC4048	
Q6	8-729-806-30	TRANSISTOR	2SC4048	
Q9	8-729-900-74	TRANSISTOR	DTC143TS	
Q10	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q12	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q14	8-729-900-74	TRANSISTOR	DTC143TS	
Q18	8-729-672-42	TRANSISTOR	2SC2724-C	
Q20	8-729-178-62	TRANSISTOR	2SC2786-L	
Q21	8-729-672-42	TRANSISTOR	2SC2724-C	
Q22	8-729-672-42	TRANSISTOR	2SC2724-C	
Q24	8-729-178-62	TRANSISTOR	2SC2786-L	
Q25	8-729-905-50	TRANSISTOR	DTC343TS	
Q27	8-729-900-74	TRANSISTOR	DTC143TS	
Q101	8-729-806-30	TRANSISTOR	2SC4048	
Q102	8-729-806-30	TRANSISTOR	2SC4048 (765L)	
Q110	8-729-925-16	TRANSISTOR	2SC1740SLN-RS	
Q130	8-729-806-30	TRANSISTOR	2SC4048	
Q201	8-729-806-30	TRANSISTOR	2SC4048	
Q202	8-729-806-30	TRANSISTOR	2SC4048 (765L)	
Q210	8-729-925-16	TRANSISTOR	2SC1740SLN-RS	
Q230	8-729-806-30	TRANSISTOR	2SC4048	
Q302	8-729-902-80	TRANSISTOR	DTA114YS	
Q310	8-729-925-16	TRANSISTOR	2SC1740SLN-RS	
Q311	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q312	8-729-806-30	TRANSISTOR	2SC4048	
Q320	8-729-100-13	TRANSISTOR	2SC2001	
Q321	8-729-806-30	TRANSISTOR	2SC4048	
Q323	8-729-806-30	TRANSISTOR	2SC4048	
Q330	8-729-900-80	TRANSISTOR	DTC114ES	
Q331	8-729-806-30	TRANSISTOR	2SC4048	
Q332	8-729-806-30	TRANSISTOR	2SC4048	
Q333	8-729-902-80	TRANSISTOR	DTA114YS	
Q334	8-729-806-30	TRANSISTOR	2SC4048	
Q335	8-729-115-30	TRANSISTOR	2SK105A-30	
Q336	8-729-806-30	TRANSISTOR	2SC4048	
Q337	8-729-900-89	TRANSISTOR	DTC144ES	
Q338	8-729-115-30	TRANSISTOR	2SK105A-30	
Q339	8-729-806-30	TRANSISTOR	2SC4048	
Q340	8-729-806-30	TRANSISTOR	2SC4048	
Q350	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q351	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q352	8-729-904-34	TRANSISTOR	DTA114TS	
Q354	8-729-119-78	TRANSISTOR	2SC2785-HFE	
Q355	8-729-905-67	TRANSISTOR	2SD1944-K	
Q356	8-729-806-30	TRANSISTOR	2SC4048 (765L)	
Q360	8-729-924-90	TRANSISTOR	2SB1370-EF	
Q370	8-729-902-80	TRANSISTOR	DTA114YS	
		< RESISTOR >		
R1	1-249-441-11	CARBON	100K 5% 1/4W	
R2	1-249-441-11	CARBON	100K 5% 1/4W	
R3	1-249-431-11	CARBON	15K 5% 1/4W	
R4	1-249-441-11	CARBON	100K 5% 1/4W	
R5	1-249-423-11	CARBON	3.3K 5% 1/4W	
R6	1-249-421-11	CARBON	2.2K 5% 1/4W	
R8	1-249-411-11	CARBON	330 5% 1/4W	
R9	1-249-405-11	CARBON	100 5% 1/4W	
R10	1-249-429-11	CARBON	10K 5% 1/4W	
R11	1-249-418-11	CARBON	1.2K 5% 1/4W	
R12	1-249-428-11	CARBON	8.2K 5% 1/4W	
R13	1-249-428-11	CARBON	8.2K 5% 1/4W	
R14	1-249-418-11	CARBON	1.2K 5% 1/4W	
R15	1-249-421-11	CARBON	2.2K 5% 1/4W	
R16	1-247-887-00	CARBON	220K 5% 1/4W	
R17	1-247-887-00	CARBON	220K 5% 1/4W	
R18	1-249-405-11	CARBON	100 5% 1/4W	
R20	1-249-435-11	CARBON	33K 5% 1/4W	
R21	1-249-431-11	CARBON	15K 5% 1/4W	

MAIN

Ref. No.	Part No.	Description				Remark
R22	1-249-421-11	CARBON	2.2K	5%	1/4W	
R23	1-249-429-11	CARBON	10K	5%	1/4W	
R24	1-249-429-11	CARBON	10K	5%	1/4W	
R33	1-249-435-11	CARBON	33K	5%	1/4W	
R34	1-249-406-11	CARBON	120	5%	1/4W	
R36	1-249-406-11	CARBON	120	5%	1/4W	
R37	1-249-402-11	CARBON	56	5%	1/4W	
R38	1-249-404-00	CARBON	82	5%	1/4W	
R39	1-249-405-11	CARBON	100	5%	1/4W	
R40	1-249-441-11	CARBON	100K	5%	1/4W	
R41	1-247-887-00	CARBON	220K	5%	1/4W	
R42	1-249-418-11	CARBON	1.2K	5%	1/4W	
R43	1-249-418-11	CARBON	1.2K	5%	1/4W	
R44	1-249-405-11	CARBON	100	5%	1/4W	
R45	1-249-401-11	CARBON	47	5%	1/4W	
R48	1-249-405-11	CARBON	100	5%	1/4W	
R50	1-249-421-11	CARBON	2.2K	5%	1/4W	
R51	1-249-429-11	CARBON	10K	5%	1/4W	
R54	1-249-422-11	CARBON	2.7K	5%	1/4W	
R55	1-249-438-11	CARBON	56K	5%	1/4W	
R56	1-249-417-11	CARBON	1K	5%	1/4W	
R58	1-249-433-11	CARBON	22K	5%	1/4W	
R60	1-249-441-11	CARBON	100K	5%	1/4W	
R61	1-249-417-11	CARBON	1K	5%	1/4W	
R62	1-249-437-11	CARBON	47K	5%	1/4W	
R63	1-249-417-11	CARBON	1K	5%	1/4W	
R64	1-249-405-11	CARBON	100	5%	1/4W	
R66	1-249-405-11	CARBON	100	5%	1/4W	
R67	1-249-417-11	CARBON	1K	5%	1/4W	
R68	1-249-417-11	CARBON	1K	5%	1/4W	
R69	1-249-437-11	CARBON	47K	5%	1/4W	
R70	1-249-417-11	CARBON	1K	5%	1/4W	
R74	1-249-405-11	CARBON	100	5%	1/4W	
R75	1-249-407-11	CARBON	150	5%	1/4W	
R76	1-249-437-11	CARBON	47K	5%	1/4W	
R77	1-249-397-11	CARBON	22	5%	1/4W	
R81	1-249-421-11	CARBON	2.2K	5%	1/4W	
R83	1-249-422-11	CARBON	2.7K	5%	1/4W	
R85	1-249-429-11	CARBON	10K	5%	1/4W	
R86	1-249-435-11	CARBON	33K	5%	1/4W	
R87	1-249-427-11	CARBON	6.8K	5%	1/4W	
R88	1-249-427-11	CARBON	6.8K	5%	1/4W	
R89	1-247-887-00	CARBON	220K	5%	1/4W	
R101	1-249-417-11	CARBON	1K	5%	1/4W	
R102	1-249-417-11	CARBON	1K	5%	1/4W	
R103	1-247-885-00	CARBON	180K	5%	1/4W	
R104	1-249-405-11	CARBON	100	5%	1/4W	
R105	1-249-426-11	CARBON	5.6K	5%	1/4W	
R106	1-249-427-11	CARBON	6.8K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R107	1-249-418-11	CARBON	1.2K	5%	1/4W	
R108	1-249-441-11	CARBON	100K	5%	1/4W	
R109	1-249-397-11	CARBON	22	5%	1/4W	(765L)
R110	1-249-426-11	CARBON	5.6K	5%	1/4W	
R120	1-249-437-11	CARBON	47K	5%	1/4W	
R121	1-249-419-11	CARBON	1.5K	5%	1/4W	
R122	1-249-421-11	CARBON	2.2K	5%	1/4W	
R123	1-247-890-11	CARBON	300K	5%	1/4W	
R124	1-249-407-11	CARBON	150	5%	1/4W	
R125	1-247-885-00	CARBON	180K	5%	1/4W	
R126	1-249-433-11	CARBON	22K	5%	1/4W	
R130	1-247-897-11	CARBON	560K	5%	1/4W	
R131	1-249-421-11	CARBON	2.2K	5%	1/4W	
R140	1-249-438-11	CARBON	56K	5%	1/4W	
R141	1-249-432-11	CARBON	18K	5%	1/4W	
R142	1-249-427-11	CARBON	6.8K	5%	1/4W	
R143	1-247-854-11	CARBON	9.1K	5%	1/4W	
R144	1-249-428-11	CARBON	8.2K	5%	1/4W	
R151	1-249-438-11	CARBON	56K	5%	1/4W	
R152	1-249-434-11	CARBON	27K	5%	1/4W	
R153	1-249-429-11	CARBON	10K	5%	1/4W	
R154	1-249-425-11	CARBON	4.7K	5%	1/4W	
R155	1-249-429-11	CARBON	10K	5%	1/4W	
R156	1-249-427-11	CARBON	6.8K	5%	1/4W	
R157	1-249-431-11	CARBON	15K	5%	1/4W	
R158	1-249-429-11	CARBON	10K	5%	1/4W	
R159	1-249-409-11	CARBON	220	5%	1/4W	
R172	1-247-858-11	CARBON	13K	5%	1/4W	
R174	1-249-441-11	CARBON	100K	5%	1/4W	
R175	1-249-437-11	CARBON	47K	5%	1/4W	
R177	1-249-421-11	CARBON	2.2K	5%	1/4W	
R180	1-249-429-11	CARBON	10K	5%	1/4W	
R181	1-249-429-11	CARBON	10K	5%	1/4W	
R182	1-249-415-11	CARBON	680	5%	1/4W	
R184	1-249-406-11	CARBON	120	5%	1/4W	
R185	1-249-421-11	CARBON	2.2K	5%	1/4W	
R186	1-249-417-11	CARBON	1K	5%	1/4W	
R187	1-247-866-11	CARBON	30K	5%	1/4W	
R201	1-249-417-11	CARBON	1K	5%	1/4W	
R202	1-249-417-11	CARBON	1K	5%	1/4W	
R203	1-247-885-00	CARBON	180K	5%	1/4W	
R204	1-249-405-11	CARBON	100	5%	1/4W	
R205	1-249-426-11	CARBON	5.6K	5%	1/4W	
R206	1-249-427-11	CARBON	6.8K	5%	1/4W	
R207	1-249-418-11	CARBON	1.2K	5%	1/4W	
R208	1-249-441-11	CARBON	100K	5%	1/4W	
R209	1-249-397-11	CARBON	22	5%	1/4W	(765L)
R210	1-249-426-11	CARBON	5.6K	5%	1/4W	
R220	1-249-437-11	CARBON	47K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R221	1-249-419-11	CARBON	1.5K	5%	1/4W	
R222	1-249-421-11	CARBON	2.2K	5%	1/4W	
R223	1-247-890-11	CARBON	300K	5%	1/4W	
R224	1-249-407-11	CARBON	150	5%	1/4W	
R225	1-247-885-00	CARBON	180K	5%	1/4W	
R226	1-249-433-11	CARBON	22K	5%	1/4W	
R230	1-247-897-11	CARBON	560K	5%	1/4W	
R231	1-249-421-11	CARBON	2.2K	5%	1/4W	
R240	1-249-438-11	CARBON	56K	5%	1/4W	
R241	1-249-432-11	CARBON	18K	5%	1/4W	
R242	1-249-427-11	CARBON	6.8K	5%	1/4W	
R243	1-247-854-11	CARBON	9.1K	5%	1/4W	
R244	1-249-428-11	CARBON	8.2K	5%	1/4W	
R251	1-249-438-11	CARBON	56K	5%	1/4W	
R252	1-249-434-11	CARBON	27K	5%	1/4W	
R253	1-249-429-11	CARBON	10K	5%	1/4W	
R254	1-249-425-11	CARBON	4.7K	5%	1/4W	
R255	1-249-429-11	CARBON	10K	5%	1/4W	
R256	1-249-427-11	CARBON	6.8K	5%	1/4W	
R257	1-249-431-11	CARBON	15K	5%	1/4W	
R258	1-249-429-11	CARBON	10K	5%	1/4W	
R259	1-249-409-11	CARBON	220	5%	1/4W	
R272	1-247-858-11	CARBON	13K	5%	1/4W	
R274	1-249-441-11	CARBON	100K	5%	1/4W	
R275	1-249-437-11	CARBON	47K	5%	1/4W	
R277	1-249-421-11	CARBON	2.2K	5%	1/4W	
R280	1-249-429-11	CARBON	10K	5%	1/4W	
R281	1-249-429-11	CARBON	10K	5%	1/4W	
R282	1-249-415-11	CARBON	680	5%	1/4W	
R284	1-249-406-11	CARBON	120	5%	1/4W	
R285	1-249-421-11	CARBON	2.2K	5%	1/4W	
R286	1-249-417-11	CARBON	1K	5%	1/4W	
R287	1-247-866-11	CARBON	30K	5%	1/4W	
R301	1-249-423-11	CARBON	3.3K	5%	1/4W	
R302	⚠ 1-247-697-11	CARBON	56	5%	1/4W	
R304	1-249-401-11	CARBON	47	5%	1/4W	
R305	1-249-429-11	CARBON	10K	5%	1/4W	
R306	1-249-393-11	CARBON	10	5%	1/4W	
R310	1-249-429-11	CARBON	10K	5%	1/4W	
R311	1-249-421-11	CARBON	2.2K	5%	1/4W	
R312	1-249-432-11	CARBON	18K	5%	1/4W	
R313	1-249-429-11	CARBON	10K	5%	1/4W	
R314	1-249-429-11	CARBON	10K	5%	1/4W	
R316	1-249-429-11	CARBON	10K	5%	1/4W	
R317	1-249-407-11	CARBON	150	5%	1/4W	
R320	1-249-441-11	CARBON	100K	5%	1/4W	
R322	1-247-903-00	CARBON	1M	5%	1/4W	
R323	1-249-441-11	CARBON	100K	5%	1/4W	
R324	1-247-903-00	CARBON	1M	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R330	1-249-417-11	CARBON	1K	5%	1/4W	
R331	1-247-899-11	CARBON	680K	5%	1/4W	
R332	1-249-422-11	CARBON	2.7K	5%	1/4W	
R333	1-249-403-11	CARBON	68	5%	1/4W	
R334	1-249-421-11	CARBON	2.2K	5%	1/4W	
R335	1-249-417-11	CARBON	1K	5%	1/4W	
R341	1-249-409-11	CARBON	220	5%	1/4W	
R342	1-249-427-11	CARBON	6.8K	5%	1/4W	(765L)
R343	1-249-429-11	CARBON	10K	5%	1/4W	
R344	1-249-429-11	CARBON	10K	5%	1/4W	
R350	1-249-422-11	CARBON	2.7K	5%	1/4W	
R351	1-249-414-11	CARBON	560	5%	1/4W	
R352	1-249-437-11	CARBON	47K	5%	1/4W	
R353	1-249-417-11	CARBON	1K	5%	1/4W	
R354	1-249-429-11	CARBON	10K	5%	1/4W	
R357	1-249-437-11	CARBON	47K	5%	1/4W	
R358	1-249-429-11	CARBON	10K	5%	1/4W	
R359	1-249-417-11	CARBON	1K	5%	1/4W	
R360	1-249-405-11	CARBON	100	5%	1/4W	
R370	1-249-437-11	CARBON	47K	5%	1/4W	
R380	1-249-417-11	CARBON	1K	5%	1/4W	
R381	1-249-433-11	CARBON	22K	5%	1/4W	
R382	1-249-411-11	CARBON	330	5%	1/4W	
R386	1-249-417-11	CARBON	1K	5%	1/4W	
R387	⚠ 1-212-946-00	FUSIBLE	3.3	5%	1/2W	F
R388	1-249-406-11	CARBON	120	5%	1/4W	
R389	1-249-405-11	CARBON	100	5%	1/4W	
R390	1-249-417-11	CARBON	1K	5%	1/4W	
R391	1-249-421-11	CARBON	2.2K	5%	1/4W	
R392	1-249-429-11	CARBON	10K	5%	1/4W	
R393	1-249-417-11	CARBON	1K	5%	1/4W	
R394	1-249-437-11	CARBON	47K	5%	1/4W	
R395	1-249-420-11	CARBON	1.8K	5%	1/4W	
R396	1-249-420-11	CARBON	1.8K	5%	1/4W	
R601	1-247-903-00	CARBON	1M	5%	1/4W	(765L)
R602	1-249-426-11	CARBON	5.6K	5%	1/4W	(765L)
R604	1-249-429-11	CARBON	10K	5%	1/4W	(765L)
R605	1-247-891-00	CARBON	330K	5%	1/4W	(765L)
R606	1-249-429-11	CARBON	10K	5%	1/4W	(765L)

< VARIABLE RESISTOR >

RV1	1-238-601-11	RES, ADJ, CARBON 22K (VCO)
RV301	1-241-037-21	RES, ADJ, CARBON 2.2K (HIGH SPEED)
RV302	1-241-037-21	RES, ADJ, CARBON 2.2K (NORMAL SPEED)
RV303	1-241-037-21	RES, ADJ, CARBON 2.2K (HIGH SPEED)
RV304	1-241-037-21	RES, ADJ, CARBON 2.2K (NORMAL SPEED)

MAIN | MD LEAF SW (A) | POWER | MD | MD LEAF SW (B)

Ref. No.	Part No.	Description	Remark
RV305	1-241-138-11	RES, VAR, CARBON 50K/50K (VOLUME)	
RV306	1-241-137-11	RES, VAR, CARBON 100K/100K (100Hz)	
RV307	1-241-137-11	RES, VAR, CARBON 100K/100K (1KHz)	
RV308	1-241-137-11	RES, VAR, CARBON 100K/100K (10KHz)	
		< SWITCH >	
S1	1-572-623-11	SWITCH, SLIDE (FM SENS)	
S301	1-571-876-21	SWITCH, SLIDE (REC/PB)	
S302	1-571-080-11	SWITCH, LEVER SLIDE (FUNCTION)	
S303	1-571-307-11	SWITCH, SLIDE (ISS) (FM MODE)	
S304	1-572-620-11	SWITCH, PUSH (1 KEY) (SPACE)	
S305	1-572-620-11	SWITCH, PUSH (1 KEY) (POEWR)	
		< TRANSFORMER >	
T4	1-406-400-11	COIL (OSC)	
T5	1-406-399-11	COIL (OSC)	
T301	1-433-372-11	TRANSFORMER, BIAS OSCILLATION	
T302	1-450-126-11	TRANSFORMER, DC-DC CONVERTER	
		< VIBRATOR, CERAMIC >	
X301	1-578-787-21	VIBRATOR, CERAMIC (500KHz) (765L)	
**********			
*	1-635-711-11	MD LEAF SW (A) BOARD (DECK A)	
		**********	
		< CONNECTOR >	
CN501A *	1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P (DECK A)	
		< SWITCH >	
S501A	1-571-890-11	SWITCH, LEAF (H1 SPEED) (DECK A)	
S502A	1-571-890-11	SWITCH, LEAF (PLAY) (DECK A)	
S503A	1-571-330-11	SWITCH, LEAF (POWER) (DECK A)	
**********			
*	1-635-272-11	POWER BOARD	
		**********	
	1-533-233-11	HOLDER, FUSE	
	3-701-947-18	LABEL (T4A), FUSE	
		< CAPACITOR >	
C902	1-101-004-00	CERAMIC 0.01uF	50V
C903	1-101-004-00	CERAMIC 0.01uF	50V
C904	1-101-004-00	CERAMIC 0.01uF	50V
C905	1-101-004-00	CERAMIC 0.01uF	50V
C906	1-136-165-00	FILM 0.1uF 5%	50V

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN901 *	1-506-998-11	PIN, CONNECTOR (PC BOARD) 2P	
CN902	1-569-614-11	PLUG, CONNECTOR (2.5MM) 2P	
CN903 *	1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P	
		< DIODE >	
D901	8-719-902-17	DIODE U15G	
D902	8-719-902-17	DIODE U15G	
D903	8-719-902-17	DIODE U15G	
D904	8-719-902-17	DIODE U15G	
		< FUSE >	
F901 ⚠	1-532-350-00	FUSE GLASS TUBE (4A 125V)	
		< JACK >	
J901 ⚠	1-526-838-11	INLET, AC 2P (AC IN)	
		< LINE FILTER >	
LF901 ⚠	1-424-150-11	TRANSFORMER, LINE FILTER	
		< TRANSFORMER >	
T901 ⚠	1-450-467-11	TRANSFORMER, POWER (EXCEPT 755L:UK)	
T901 ⚠	1-450-468-11	TRANSFORMER, POWER (755L:UK)	
**********			
*	1-630-400-21	MD BOARD (765L:DECK B)	
		**********	
		< CONNECTOR >	
CN601 *	1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P (765L:DECK B)	
CN602 *	1-566-002-11	PIN, CONNECTOR (PC BOARD) 5P (765L:DECK B)	
		< SWITCH >	
S601	1-571-330-21	SWITCH, LEAF (765L:DECK B)	
S602	1-571-331-21	SWITCH, LEAF (765L:DECK B)	
S603	1-572-616-11	SWITCH, PUSH (1 KEY) (765L:DECK B)	
**********			
*	1-635-712-12	MD LEAF SW (B) BOARD (755L:DECK B)	
		**********	
		< CONNECTOR >	
CN502A *	1-566-001-11	PIN, CONNECTOR (PC BOARD) 4P (755L:DECKB)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

MD LEAF SW (B) | SP TERMINAL (L) | SP TERMINAL (R)

TU CONTROL

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S504A	1-571-890-11	SWITCH, LEAF (PLAY) (755L:DECK B)			
S505A	1-571-330-21	SWITCH, LEAF (POWER) (755L:DECK B)			
**********					
*	1-635-274-11	SP TERMINAL (L) BOARD			
		**********			
		< CAPACITOR >			
C952	1-124-327-00	ELECT	15uF	20%	50V
**********					
*	1-635-273-11	SP TERMINAL (R) BOARD			
		**********			
		< CAPACITOR >			
C951	1-124-327-00	ELECT	15uF	20%	50V
**********					
*	A-3275-128-A	TU CONTROL BOARD, COMPLETE (755L)			
*	A-3275-140-A	TU CONTROL BOARD, COMPLETE (765L)			
		**********			
	1-519-676-11	ELEMENT, EL LUMINOUS			
		< CAPACITOR >			
C501	1-162-294-31	CERAMIC	0.001uF	10%	50V
C502	1-162-294-31	CERAMIC	0.001uF	10%	50V
C503	1-162-294-31	CERAMIC	0.001uF	10%	50V
C504	1-162-294-31	CERAMIC	0.001uF	10%	50V
C505	1-162-294-31	CERAMIC	0.001uF	10%	50V
C506	1-162-282-31	CERAMIC	100PF	10%	50V
C507	1-161-379-00	CERAMIC	0.01uF	20%	25V
C508	1-162-851-11	CERAMIC	0.1uF		16V
C509	1-161-379-00	CERAMIC	0.01uF	20%	25V
C510	1-162-851-11	CERAMIC	0.1uF		16V
C511	1-161-379-00	CERAMIC	0.01uF	20%	25V
C512	1-161-379-00	CERAMIC	0.01uF	20%	25V
C513	1-126-177-11	ELECT	100uF	20%	10V
C514	1-162-294-31	CERAMIC	0.001uF	10%	50V
C515	1-162-294-31	CERAMIC	0.001uF	10%	50V
C516	1-161-379-00	CERAMIC	0.01uF	20%	25V
C517	1-136-175-00	FILM	0.68uF	5%	50V
C518	1-161-060-00	CERAMIC	0.056uF	10%	25V
C519	1-126-154-11	ELECT	47uF	20%	6.3V
C520	1-164-032-11	CERAMIC	36PF	5%	50V

Ref. No.	Part No.	Description			Remark
C521	1-162-203-31	CERAMIC	15PF	5%	50V
C523	1-162-851-11	CERAMIC	0.1uF		16V
C526	1-162-851-11	CERAMIC	0.1uF		16V
C527	1-162-847-11	CERAMIC	0.047uF		16V
		< CONNECTOR >			
CN502	1-569-768-11	SOCKET, CONNECTOR 7P			
CN503 *	1-569-156-11	SOCKET, CONNECTOR 10P			
		< DIODE >			
D351	8-719-948-75	DIODE	SLR34VR70F165 (765L)		
D352	8-719-948-75	DIODE	SLR34VR70F165		
D501	8-719-911-19	DIODE	1SS119 (765L)		
D502	8-719-911-19	DIODE	1SS119 (765L)		
D503	8-719-911-19	DIODE	1SS119 (765L)		
D504	8-719-911-19	DIODE	1SS119 (765L)		
D509	8-719-911-19	DIODE	1SS119		
D510	8-719-911-19	DIODE	1SS119		
D511	8-719-911-19	DIODE	1SS119		
D512	8-719-911-19	DIODE	1SS119		
D514	8-719-911-19	DIODE	1SS119		
D516	8-719-911-19	DIODE	1SS119		
D517	8-719-911-19	DIODE	1SS119		
D518	8-719-987-05	LED	SLR34GM70F-150		
D519	8-719-987-04	LED	SLR34VR70F-150		
D520	8-719-911-19	DIODE	1SS119		
		< IC >			
IC501	8-759-151-26	IC	uPD1724GB-524-1A7		
		< COIL >			
L501	1-410-977-11	INDUCTOR	100uH		
		< LCD >			
ND501	1-809-027-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< TRANSISTOR >			
Q501	8-729-904-34	TRANSISTOR	DTA114TS (765L)		
Q502	8-729-806-30	TRANSISTOR	2SC4048 (765L)		
Q503	8-729-178-62	TRANSISTOR	2SC2786-L		
Q504	8-729-806-30	TRANSISTOR	2SC4048		
Q505	8-729-119-32	TRANSISTOR	2SK193-E		
Q506	8-729-106-07	TRANSISTOR	2SK514-H		
Q507	8-729-205-83	TRANSISTOR	2SC2458L-GR		
Q533	8-729-806-30	TRANSISTOR	2SC4048 (765L)		

TU CONTROL

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R383	1-249-409-11	CARBON	220	5%	1/4W(765L)
R384	1-249-409-11	CARBON	220	5%	1/4W
R385	1-249-417-11	CARBON	1K	5%	1/4W(765L)
R501	1-249-425-11	CARBON	4.7K	5%	1/4W(765L)
R502	1-249-425-11	CARBON	4.7K	5%	1/4W(765L)
R503	1-249-425-11	CARBON	4.7K	5%	1/4W(765L)
R504	1-249-425-11	CARBON	4.7K	5%	1/4W(765L)
R505	1-249-425-11	CARBON	4.7K	5%	1/4W(765L)
R506	1-249-441-11	CARBON	100K	5%	1/4W(765L)
R507	1-249-437-11	CARBON	47K	5%	1/4W(765L)
R508	1-249-421-11	CARBON	2.2K	5%	1/4W
R509	1-249-433-11	CARBON	22K	5%	1/4W
R510	1-249-411-11	CARBON	330	5%	1/4W
R511	1-249-437-11	CARBON	47K	5%	1/4W
R512	1-249-417-11	CARBON	1K	5%	1/4W
R513	1-249-429-11	CARBON	10K	5%	1/4W
R514	1-249-433-11	CARBON	22K	5%	1/4W
R515	1-249-431-11	CARBON	15K	5%	1/4W
R516	1-249-417-11	CARBON	1K	5%	1/4W
R517	1-249-421-11	CARBON	2.2K	5%	1/4W
R518	1-249-422-11	CARBON	2.7K	5%	1/4W
R519	1-249-429-11	CARBON	10K	5%	1/4W
R520	1-249-429-11	CARBON	10K	5%	1/4W
R521	1-249-435-11	CARBON	33K	5%	1/4W
R522	1-249-433-11	CARBON	22K	5%	1/4W
R523	1-249-429-11	CARBON	10K	5%	1/4W
R524	1-249-441-11	CARBON	100K	5%	1/4W
R525	1-249-407-11	CARBON	150	5%	1/4W
R527	1-249-409-11	CARBON	220	5%	1/4W
		< SWITCH >			
S501	1-553-856-00	SWITCH, KEY BOARD (0)			
S502	1-553-856-00	SWITCH, KEY BOARD (1)			
S503	1-553-856-00	SWITCH, KEY BOARD (2)			
S504	1-553-856-00	SWITCH, KEY BOARD (3)			
S505	1-553-856-00	SWITCH, KEY BOARD (4)			
S506	1-553-856-00	SWITCH, KEY BOARD (5)			
S507	1-553-856-00	SWITCH, KEY BOARD (6)			
S508	1-553-856-00	SWITCH, KEY BOARD (7)			
S509	1-553-856-00	SWITCH, KEY BOARD (MEMORY)			
S510	1-553-856-00	SWITCH, KEY BOARD (8)			
S511	1-553-856-00	SWITCH, KEY BOARD (9)			
S512	1-553-856-00	SWITCH, KEY BOARD (+10)			
S513	1-572-199-11	SWITCH, KEY BOARD (+)			
S514	1-572-199-11	SWITCH, KEY BOARD (-)			
S515	1-572-199-11	SWITCH, KEY BOARD (BAND)			

Ref. No.	Part No.	Description	Remark
		< VIBRATOR >	
X501	1-577-556-11	VIBRATOR, CRYSTAL (75KHz)	
**********			
		MISCELLANEOUS	
		**********	
62	1-452-531-11	MAGNET	
202	⚠ 8-848-137-11	DEVICE OPTICAL KSS-210B	
351	* 1-635-712-11	MD LEAF SW (A) BOARD (DECK A)	
429	* 1-630-400-12	MD BOARD (765L:DECK B)	
ANT1	1-501-352-11	ANTENNA, TELESCOPIC	
HE301	1-543-535-11	HEAD, MAGNETIC (ERASE) (755L:DECK B)	
HE301	A-3114-095-A	HEAD ASSY, ROTARY (765L:DECK B)	
HP301	1-543-714-11	HEAD, MAGNETIC (PB) (DECK A)	
HRP301	1-543-714-11	HEAD, MAGNETIC (REC/PB) (755L:DECK B)	
HRP301	A-3114-095-A	HEAD ASSY, ROTARY (765L:DECK B)	
M601	1-541-753-11	MOTOR, DC (EG-530KD-2B) (755L:DECK B)	
M601	1-541-754-11	MOTOR, DC (EG-530KD-2F) (765L:DECK B)	
M602	1-541-753-11	MOTOR, DC (EG-530KD-2B) (DECK A)	
M702	X-2625-132-1	GEAR ASSY (MB) MOTOR	
S604	1-572-394-11	SWITCH, LEAF (765L)	
SP1-1	1-503-867-21	SPEAKER	
SP1-2	1-544-345-11	SPEAKER	
SP2-1	1-503-867-21	SPEAKER	
SP2-2	1-544-345-11	SPEAKER	
T901	⚠ 1-450-467-11	TRANSFORMER, POWER (EXCEPT 755L:UK)	
T901	⚠ 1-450-468-11	TRANSFORMER, POWER (755L:UK)	
**********			
		HARDWARE LIST	
		**********	
#1	7-621-773-86	SCREW +P 2.6X4 (765L)	
#2	7-627-553-47	PRECISION SCREW +P 2X4 TYPE 3	
#4	7-621-775-20	SCREW +B 2.6X5	
#5	7-685-132-19	SCREW +P 2.6X5 TYPE2 NON-SLIT	
#6	7-685-646-79	SCREW, TAPPING +BV 3X8	
#7	7-685-647-79	SCREW, TAPPING +BV 3X10	
#8	7-685-648-79	SCREW, TAPPING +BV 3X12	
#9	7-621-772-00	SCREW +B 2X3	
#10	7-682-547-04	SCREW +P 3X6 (765L)	
#11	7-682-548-04	SCREW +B 3X8	
#12	7-685-104-19	SCREW +P 2X6 TYPE2 NON-SLIT	
#13	7-621-770-67	SCREW +BVTT 2.6X6 (S) (765L)	
#14	7-621-255-15	SCREW +P 2X3	
#15	7-621-255-25	SCREW +PTT 2X4 (S) (755L)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-465-510-11	COMMANDER, REMOTE (RMT-C760) (765L)	
⚠	1-558-032-11	CORD, POWER (755L:UK)	
⚠	1-575-131-11	CORD, POWER (EXCEPT 755L:UK)	
	2-181-754-01	COVER BATTERY (for RMT-C760) (765L)	
*	3-368-283-01	CUSHION (LOWER)	
*	3-368-284-01	CUSHION (INNER)	
*	3-368-285-01	CUSHION (UPPER)	
*	3-369-792-01	INDIVIDUAL CARTON (755L)	
*	3-369-778-01	INDIVIDUAL CARTON (765L)	
	3-753-216-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, SPANISH)	
	3-753-216-41	MANUAL, INSTRUCTION (DUTCH, SWEDISH, ITALIAN, PORTUGUESE) (AEP)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.